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BULLETIN  
THE SUMMER SESSIONS

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THE SUMMER SESSIONS

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WASHINGTON, D. C.

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OF THE UNIVERSITY



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# CALENDAR OF THE SUMMER SESSIONS 1940

Date	Day	Occasion
May 20-27....	Monday to Monday, both dates inclusive	Preregistration period for all courses in the Summer Sessions.
June 17.....	Monday.....	Registration day for all courses in the Summer Sessions, 11:00 A.M. to 7:00 P.M. Instruction begins in the nine weeks' term and in the first term of the Law School.
June 18.....	Tuesday.....	Late-registration fee (\$5) is charged for all registrations in the nine weeks' term and in the first term of the Law School.
June 24.....	Monday.....	Registration day for the six weeks' term in all Colleges, Schools, and Divisions except the Law School, 11:00 A.M. to 7:00 P.M. Instruction begins in the six weeks' term. Last day on which late registration is permitted for the nine weeks' term and for the first term of the Law School.
June 25.....	Tuesday.....	Late-registration fee (\$5) is charged for all registrations in the six weeks' term.
July 1.....	Monday.....	Last day on which late registration is permitted for the six weeks' term.
July 4.....	Thursday .....	Holiday.
July 18.....	Thursday.....	Second half of double-semester courses begins.
July 29.....	Monday.....	First term of the Law School ends.
July 30.....	Tuesday.....	Registration day for the second term of the Law School. Instruction begins in the second term of the Law School.
July 31.....	Wednesday.....	Late-registration fee (\$5) is charged for all registrations in the second terms of the Law School.
August 2.....	Friday.....	Six weeks' term ends in all Colleges, Schools, and Divisions except the Law School.
August 6.....	Tuesday.....	Last day on which late registration is permitted for the second term of the Law School.
August 16....	Friday.....	Nine weeks' term ends in all Colleges, Schools, and Divisions except the Law School.
September 2...	Monday.....	Holiday.
September 12..	Thursday.....	Second term of the Law School ends.



## SUMMER STUDY IN WASHINGTON

THE HISTORY OF THE UNITED STATES

The first part of the history of the United States is the period from the discovery of the continent by Christopher Columbus in 1492 to the establishment of the first permanent settlements. This period is characterized by the exploration of the continent by Spanish, French, and English explorers, and the establishment of the first permanent settlements by the English in 1607. The second part of the history is the period from the establishment of the first permanent settlements to the American Revolution in 1776. This period is characterized by the growth of the colonies, the struggle for independence, and the establishment of the United States as a new nation.

THE HISTORY OF THE UNITED STATES

The third part of the history of the United States is the period from the American Revolution in 1776 to the present. This period is characterized by the growth of the United States as a nation, the expansion of territory, the development of industry and commerce, and the establishment of the United States as a world power. The fourth part of the history is the period from the present to the future. This period is characterized by the continued growth and development of the United States, and the challenges that lie ahead.



## SUMMER STUDY IN WASHINGTON

The Summer Sessions offer an opportunity to continue university work during the summer period. The educational value of a term of study in the Capital of the Nation is of great importance. It forms a background for both intelligent and appreciative citizenship. History, political science, economics, literature, and current events are all vivified by a first-hand knowledge of our national institutions and traditions. The schedule of classes will give the student ample time to visit the great libraries and laboratories of the Capital, and to observe the departments and bureaus of the Government in operation. The many educational and scientific organizations with central offices and exhibits situated in Washington are accessible to students whose special interests draw on such resources. Excursions may be arranged to the many places of beauty and historic association in near-by Virginia and Maryland.

The National Capital stands in a region distinguished by the personal activities of George Washington, and in this area our national traditions were first expressed. A short distance down the Potomac River is Mount Vernon, the home of Washington and the place most intimately associated with his career. The nearest town, Alexandria, is extremely rich in its associations with the First President and with early American history. Directly across the Potomac from Washington are the hills of Arlington, which was the residence of General Robert E. Lee when he resigned from the army to assume charge of the Confederate forces at Richmond. Old historic Georgetown, now a part of the District of Columbia, has many memories of General Washington. It was in this village that he met local landowners and arranged for the purchase of the land for the District of Columbia. Georgetown was the headquarters of Washington and Major L'Enfant when they supervised the work of the surveyors laying out the Capital of the Nation.

The city of Washington, situated on the east bank of the Potomac, with its many parks and shaded boulevards, has the reputation of being the most beautiful city in America. The monumental classic buildings which house the departments of the Government, the elegant dignity of the White House, and the grandeur of the Capitol dominate a city of handsome residences and wide avenues. The notable monuments, the parks and

wooded drives contribute to an atmosphere of distinction expressive of the best spirit of our national life.

The Government has been likened to a great university offering special opportunity in the study of governmental administration, diplomacy, the practical application of our constitutional principles, the administration of law, and of political affairs generally. Thousands of eminent specialists in all fields of science give to the Nation in a multitude of reports the results of study and research in bureaus, experimental stations, laboratories, museums, and observatories. Realizing the unique educational value of such activities, Congress resolved "that the facilities for research and illustration in . . . any . . . governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible . . . to the scientific investigators and to students in any institution of higher education now incorporated. . . under the laws of Congress".

The Library of Congress is the greatest of our national institutions in its relation to research and learning. Its large collections include the rarest historical documents and publications; its unique manuscripts and records make up the richest body of source material bearing on the history of our Nation. It contains practically every book printed in America, as well as the most prized of foreign publications. The new Folger Shakespeare Library and special collections in other museums and institutions supplement the Library of Congress in placing Washington foremost as a center of research. The Government's broad educational program centers in the Office of Education, which advises with state, county, and urban school officers as to the administration and improvement of schools, and brings to teachers the results of national experiment and experience. The Bureau of Standards, a unique scientific laboratory, with its large staff of experts, conducts special investigations in the interests of science and technical subjects. The Smithsonian Institution, with its International Exchange Service, distributes a vast accumulation of scientific data and information. The National Museum, with many millions of specimens, is a vast organized collection of the ideas and works of man, illustrating how his simple arts and early beliefs developed into our modern complex culture.

In addition to these federal institutions which contribute so largely to Washington as a center of learning, there are many other forces converging to make it the focus of educational, intellectual, and cultural achievement. Scientific and educational groups such as the Carnegie Institution of Washington, the



American Council on Education, the National Academy of Sciences, the National Research Council, the National Education Association, and the National Geographic Society, with many others, are situated here. Many art galleries, such as the National, the Corcoran, and the Freer, with their priceless collections, are accessible to the student of fine arts. And with the increasing importance of the United States in world affairs, Washington also has become the crossroads of international life, in contact with old-world cultures, and an internationally recognized center of influence. International groups, such as the Pan American Union and the Carnegie Endowment for International Peace, have made Washington their headquarters. The embassies and legations of foreign countries, with their staffs of diplomatic experts and assistants, also contribute largely to the international aspect of life in the Capital of the Nation.

Washington has become an ideal university city. In such an atmosphere it is not strange that many institutions of higher learning have developed. As early as 1791 Georgetown University opened its doors to students, and in its long history under the jurisdiction of the Jesuit Order it has grown into an institution of importance. Under the patronage of the Methodist Episcopal Church is American University, with its newly developed campus on the outskirts of the city. In Washington is situated the Catholic University of America, authorized by Pope Leo XIII in 1889 and supported by the Roman Catholic Church. Here also is The George Washington University, a nonsectarian university, which was founded in 1821.

Not only have these institutions derived stimulation from the presence of the other cultural influences in the Capital, but, reciprocally, the scholars of their faculties and the body of students in all branches of university work are contributing no small amount of influence to Washington as a seat of learning.

## THE SUMMER SESSIONS

The Summer Sessions of 1940 of The George Washington University will present a full program of academic and professional courses. In addition, a special curriculum has been prepared in the School of Education. A large number of the regular members of the University Faculty will teach during the summer, and distinguished specialists from the departments of the United States Government and from national economic and educational organizations have been added to the staff.

The Summer Sessions will be held as follows: nine weeks' term, June 17 to August 16; six weeks' term, June 24 to August 2. In the Law School the first term will be from June 17 to July 29, and the second term from July 30 to September 12.

Courses will be offered in the Junior College, Columbian College (the senior college), the Law School, the School of Education, the School of Government, and the Division of University Students. Students in the School of Engineering and the School of Pharmacy will have the opportunity to take many of their elective and required courses in the Junior College and Columbian College curricula.

## ACADEMIC CREDIT

The Summer Sessions are an integral part of the University. Since the courses offered are the equivalent of the corresponding courses offered in the regular terms, academic credit for the completed work will be given toward the appropriate degrees in the various Colleges, Schools, and Divisions of the University.

The general catalogue should be consulted for information concerning regulations and requirements which apply to the various Colleges, Schools, and Divisions of the University.

## MAXIMUM OF CREDIT

In general no student may take more than three courses, aggregating nine semester-hours of credit; no employed student may take more than two courses, aggregating six semester-hours of credit.

Students registered only during the six weeks' term may take not more than three courses, aggregating six semester-hours of credit; employed students in the six weeks' term may take not more than two courses, aggregating four semester-hours of credit.



Students in the Law School may obtain a maximum of four semester-hours of credit in each term.

Any exceptions to these general regulations must be made by the Dean or Director of the College, School, or Division concerned.

### STUDENT LIFE

Provision is made for the social and recreational side of student life during the Summer Sessions. The University receptions and dances are annual events. Tours and excursions to places of interest, under the direction of competent guides, may be organized for out-of-town students. The numerous parks and golf courses of Washington, the riding trails, water sports on the Potomac and at near-by beaches, all offer a wide choice of outdoor recreation.

The University fee entitles all students in attendance to medical advice and treatment from the Office of the University Physician.

University lectures upon themes of contemporary interest by men distinguished in various phases of our modern life are occasionally offered during the Sessions.

### LIVING ACCOMMODATIONS

#### MEN STUDENTS

For the benefit of nonresident men a registry of rooms which have been inspected and approved is kept in the Office of the Director of Women's Personnel Guidance, to whom inquiries in respect to housing facilities should be addressed.

Single rooms usually range in price from \$20 to \$30 a month, and double rooms from \$10 to \$20 a month a person. Rooms, with board consisting of breakfast and dinner, cost from \$40 to \$50 a month a person.

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins.

#### WOMEN STUDENTS

The Hattie M. Strong Residence Hall is open to women students registered in the Summer Sessions. Single rooms are \$25 a month and double rooms \$18 a month a person. Forms for application for room reservations, together with detailed information about the dormitory, may be obtained from the Director of Women's Personnel Guidance.

### UNIVERSITY REGULATIONS

The right is reserved to drop any student whenever, in the interest of the student or the University, the Faculty deems it advisable to do so.

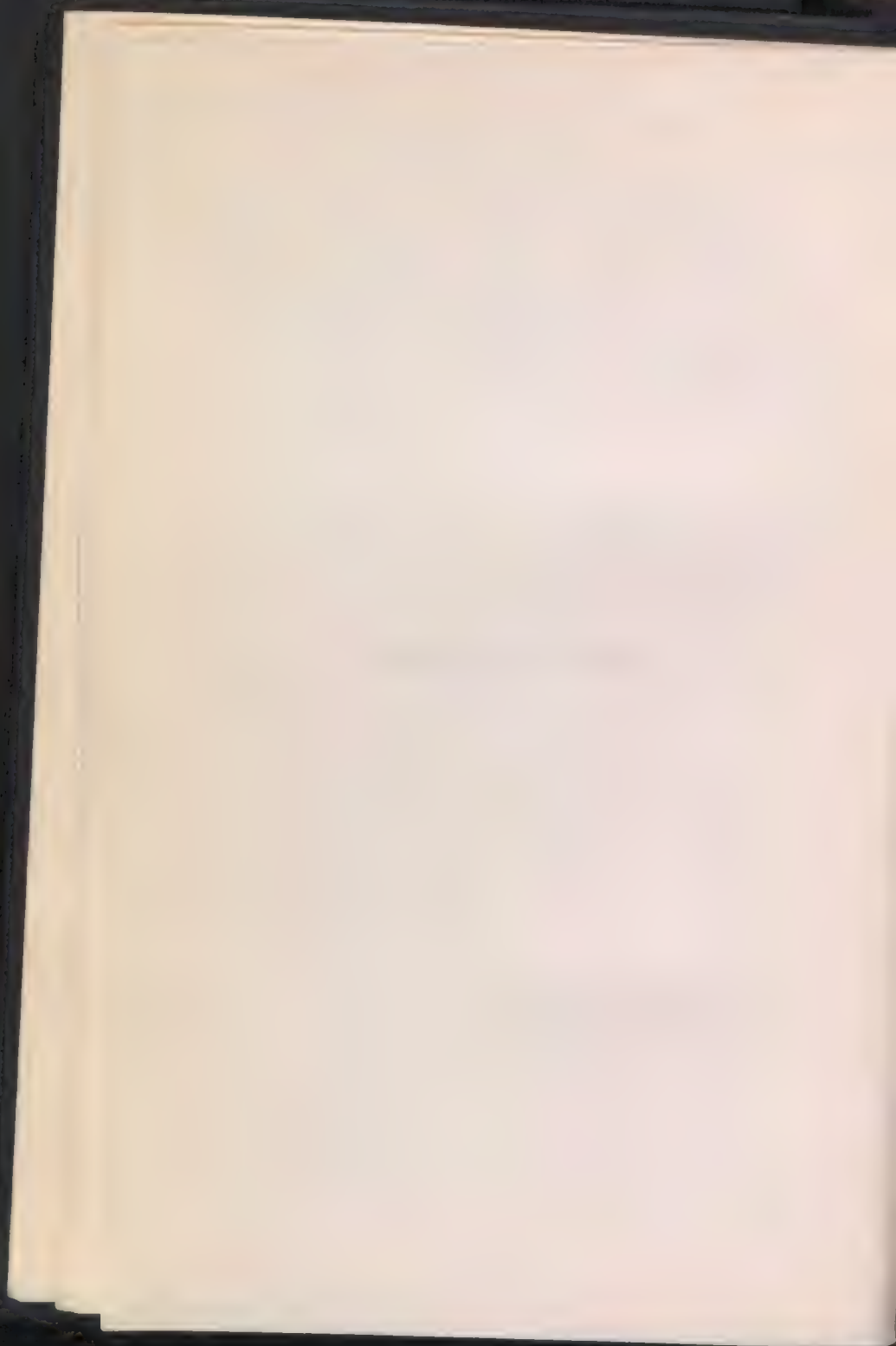
The University is not responsible for the loss, in any University building, of personal property belonging to students.

The University and its various Colleges, Schools, and Divisions reserve the right to modify or change the requirements, rules, and fees of the University. Such regulations shall go into force whenever the proper authorities may determine and shall apply to all students of the University.

The residence requirement for graduation in all undergraduate divisions of the University is the completion of a minimum of one year, or thirty semester-hours. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks.



THE UNIVERSITY





## THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President of the University ex officio and the following persons by election:

1940

- Charles Silas Baker, A.M., LL.B.; 720 Munsey Building  
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1941

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\* Nominated by the alumni.

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## THE UNIVERSITY

The idea of a university located in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and who in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government".

The George Washington University is the successor of Columbian College in the District of Columbia, which was chartered by an act of Congress of February 9, 1821. In 1873 the name was changed to "Columbian University" and in 1904 to "The George Washington University".

In 1930 a new plan of academic organization was effected, resembling in principle the master-apprentice relation of the old guild system. The University as it is now organized consists of the Junior College, comprising the work of the freshman and sophomore years; a senior college, known as "Columbian College", which awards the Bachelor's and Master's degrees; the Graduate Council; the professional Schools and Divisions, which include Medicine, Law, Engineering, Pharmacy, Education, and Government; the Division of University Students; the Inter-American Center; and the Summer Sessions.

The George Washington University is located in the heart of the city of Washington, a short distance from the Potomac River and the Mall. Within a few blocks are the White House and the offices of many of the departments of the Government, including the Department of State, the Department of the Treasury, the Department of War, the Department of Justice, the Department of the Navy, the Department of the Interior, the Department of Agriculture, the Department of Commerce, and the Department of Labor. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are also near by; and the Capitol and the Library of Congress can be reached by streetcar in twenty minutes from any of the University buildings.

## EDUCATIONAL FACILITIES

Buildings, grounds, and equipment of the University are valued at \$4,500,000. The buildings of the Colleges, Schools, and Divisions offering Summer Sessions work are located in the vicinity of Twenty-first and G Streets NW.

### THE UNIVERSITY LIBRARY

The University Library contains more than 125,000 volumes. The well equipped six-story Library building, which was opened in September 1939, houses all of the library except the law and medical collections.

The Library includes, in addition to the general collection, the library of the late Professor Richard Heinzel, of the University of Vienna, which contains 7,200 books and pamphlets on Germanic philology and literature and cognate branches; the library of the late Professor Curt Wachsmuth, of the University of Leipzig, which contains 7,900 books and pamphlets on Greek and Roman literature, archeology, and history; the Mount Vernon Alcove, which contains 4,000 volumes on political history, international law, and the social sciences; a representative collection of Spanish American books, the gifts of the governments of Hispanic America; the Chauncey Mitchell Depew Public Speaking Library of approximately 500 volumes, the gift of Mrs. Chauncey M. Depew; and the collection of the Department of Art, which contains over 2,000 volumes, mainly on architecture, and the Russell Sturgis collection of 7,500 mounted photographs. About 1,000 of these last-named volumes constitute a collection made available by the American Institute of Architects, to whom the library is always accessible.

All students registered in the Summer Sessions are entitled to the reference use of the Library. The card issued upon payment of the University fee must be presented as identification.

The books in the Law collection do not circulate, but subject to certain necessary library regulations, books in the University Library may be drawn for home use for a period of two weeks. Any book which does circulate is subject to recall by the Librarian at any time. Reserve books and periodicals for collateral reading must be used in the reading room when the library is open. With special permission they may be drawn for overnight use when the library closes. A fine of twenty-five cents will be charged for the first hour or fraction of an hour and five cents for each hour or

fraction thereafter that a reserve book is overdue. Grades of a student will be withheld until his library record is clear.

The University Library is open from 8:30 A.M. to 9:30 P.M. Monday to Friday, and from 10:00 A.M. to 2:00 P.M. on Saturday.

The Law Library, in Stockton Hall, is open from 10:00 A.M. to 10:00 P.M. Monday to Friday, and from 1:00 to 5:00 P.M. on Saturday.

#### OTHER LIBRARY FACILITIES

Students have access also to the Library of Congress; the Public Library of the District of Columbia and its branches; the Library of the Carnegie Endowment for International Peace; the Library of the Pan American Union; the Library of the Bureau of Railway Economics; the Library of the United States Department of Agriculture, with its scientific departmental collections; the Library of the United States Office of Education; the Army Medical Library; the Library of the Smithsonian Institution; and many of the other great special collections of the government departments.

#### GOVERNMENTAL INSTITUTIONS ACCESSIBLE TO STUDENTS

In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

*Resolved by the Senate and House of Representatives of the United States of America, in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:*

- One. Of the Library of Congress
- Two. Of the National Museum
- Three. Of the Patent Office
- Four. Of the Bureau of Education
- Five. Of the Bureau of Ethnology
- Six. Of the Army Medical Museum
- Seven. Of the Department of Agriculture
- Eight. Of the Fish Commission
- Nine. Of the Botanic Gardens
- Ten. Of the Coast and Geodetic Survey
- Eleven. Of the Geological Survey
- Twelve. Of the Naval Observatory



## ADMISSION

The courses given in the Summer Sessions offer opportunities to qualified students of two distinct classes: *first*, persons interested in special subjects who do not desire credits for degrees from The George Washington University; *second*, students who plan to work toward degrees in this institution.

### I. ENTRANCE PROCEDURE FOR STUDENTS NOT SEEKING DEGREES

Interested persons should file with the Director of Admissions an application blank obtainable at the Office of Admissions. Students will be admitted only to those courses for which they have adequate preparation and the approval of the instructor. Students in this group will register in the Division of University Students.

### II. ENTRANCE REQUIREMENTS FOR STUDENTS SEEKING DEGREES

The requirement for admission to the freshman class of the Junior College (which prepares for the senior college of liberal arts and for certain of the professional Schools) and of the School of Engineering is a certificate of graduation from an accredited four-year high school course, amounting to at least fifteen "units". For admission to the School of Engineering or to the premedical curriculum in the Junior College, these units must be distributed as specified in the general catalogue of the University.

The quality of work done must be satisfactory. A graduate of a school regionally accredited must rank in the upper four fifths of his class; a graduate of a school state accredited only must rank in the upper two fifths of his class. Transfer students, in order to be admitted, must likewise rank well in the accredited institution previously attended.

Further information regarding requirements for admission and regarding entrance examinations may be found in the general catalogue of the University.

#### PROCEDURE FOR STUDENTS SEEKING DEGREES

1. Prospective students should write to the Director of Admissions for an application blank, which should be filled out carefully and *returned at once*. This application does not bind the individual to attend the University.

2. Students who have graduated from high school only should ask the Director of Admissions to mail them a special high school record form, which the student will then forward to his principal.

A student entering The George Washington University for the first time, and expecting to become a candidate for a degree, should see that a transcript of his record is forwarded to the Office of the Director of Admissions by each institution of higher learning previously attended.

3. In order that credentials may be considered and the decision reported without delay, students are urged to file both application and record or records immediately upon deciding to apply for admission.

## REGISTRATION

Before a student may be admitted to registration he must have satisfied the Office of Admissions that he is qualified for entrance to the University (see "Admission", pages 20-21). A student who has previously matriculated in the University, but who has not been in attendance during the semester prior to registration, should file an application blank in advance of registration.

### TIME AND PLACE OF REGISTRATION

Registration for the nine weeks' term in the Junior College, Columbian College, the School of Education, the School of Government, and the Division of University Students will be held on Monday, June 17. Registration will be conducted in the Hall of Government, 710 Twenty-first Street NW., from 11:00 A.M. to 7:00 P.M. Registration for the six weeks' term in these Colleges, Schools, and Divisions will be held on Monday, June 24. Registration for the first term in the Law School will be conducted in Stockton Hall on Monday, June 17. Registration for the second term in the Law School will be held on Tuesday, July 30.

### LATE REGISTRATION

For registration after June 17 in the nine weeks' term, and after June 24, in the six weeks' term, a late-registration fee of \$5 will be charged. Registration in all courses for credit closes on June 24 for the nine weeks' term and on July 1 for the six weeks' term.

### CHANGE IN REGISTRATION

Application for a change in registration should be filed in the Office of the Dean or Director of the College, School, or Division. Change may be made only with the permission of the adviser or major professor and the Dean of the School or College or the Director of the Division concerned.



## FEES AND FINANCIAL REGULATIONS

By authorization of the Board of Trustees, the following fees have been adopted, effective at the beginning of the Summer Sessions of 1940.

### UNIVERSITY FEE

For students registered for credit.....	\$4.00
For auditors.....	1.00

### TUITION FEES

In the Junior College, Columbian College, the Law School, the School of Engineering, the School of Pharmacy, the School of Education, the School of Government, and the Division of University Students, for each semester-hour.....	8.00
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### EXAMINATION FEES

For examinations to qualify for advanced courses, and for all special examinations, for each subject .....	5.00
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### SPECIAL FEES

Late-registration fee, charged all students who fail to register within the designated period.....	5.00
Service fee, charged all students whose tuition payment, due on July 18, is paid between July 19 and July 23, inclusive.....	1.00
Reinstatement fee, charged students who are reinstated after suspension for delinquency in fees.....	5.00

## LABORATORY FEES AND DEPOSITS

Fees are charged in each course listed below as indicated. Material fees are charged by the term and may be defrayed in three equal payments when the tuition is paid in this manner. Breakage deposits are due in full at the time of registration. Breakage of apparatus is charged against the individual student, and the amount paid in excess of breakage will be returned at the end of the Sessions.

### CHEMISTRY

#### Material fee:

Chemistry 11, 12, 21.....	\$9.00
Chemistry 141.....	6.00
Chemistry 121, 142, 297, 298, 299, 300.....	12.00
Breakage deposit for one or more of the above courses.....	10.00
In case the student's breakage totals more than this amount, he will be required to make an additional deposit.	

### PHYSICS

#### Material fee:

Physics 12, 13.....	4.50
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## STATISTICS

## Laboratory fee:

Statistics 101, 102.....	3.00
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## ZOOLOGY

## Material fee:

Zoology 1, 2, 5, 6.....	4.50
Zoology 141.....	6.00

## PAYMENT OF FEES

All fees are payable at the Office of the Cashier, 725 Twenty-first Street NW. No student is permitted to complete registration or to attend classes until all fees are paid. All fees are due in advance at the time of registration. In exceptional cases, subject to the approval of the Comptroller, students may sign contracts for their charges permitting three payments as follows: one half plus the University fee and deposits at the time of registration, and one half on July 18. Students whose fees are paid between July 19 and July 23 are charged a service fee of \$1.00. Students who fail to make this payment by July 23 will be suspended and may not attend classes until they have been officially reinstated and have paid all accrued fees and a reinstatement fee of \$5.00. A suspended student may not be reinstated for the session after one week from the date of suspension. Applications for reinstatement are to be made to the Dean of the College or School or the Director of the Division in which the student is registered.

Fees of students registering for the six weeks' courses are payable in full at the time of registration.

Fees of students registering in the Law School are payable in advance at the beginning of each term.

Auditors pay a University fee of \$2.00 and all other fees chargeable to students registered for credit except the late-registration fee.

High School Scholarships and other scholarships do not apply to work taken during the Summer Sessions.

## WITHDRAWALS AND REFUNDS

In the nine weeks' courses, if the notice of withdrawal or change in schedule is received by the Dean of the College or School or the Director of the Division in which the student is registered on or before July 17, the second payment will be cancelled or adjusted. Notification to an instructor is not an acceptable

notice. In no case will any part of an initial payment of tuition be reduced or refunded because of nonattendance upon classes.

In all six weeks' courses, including courses in the Law School, registrations are for the term, and no refunds or rebates are allowed, unless the registration is in advance and the course is dropped before the day of registration for the term involved.

Any student in Chemistry who fails to check out of the laboratory on or before the date set by the instructor, unless excused by the instructor, shall forfeit the balance of his deposit. Students dropping a course before the end of the term must check out of the laboratory at once.

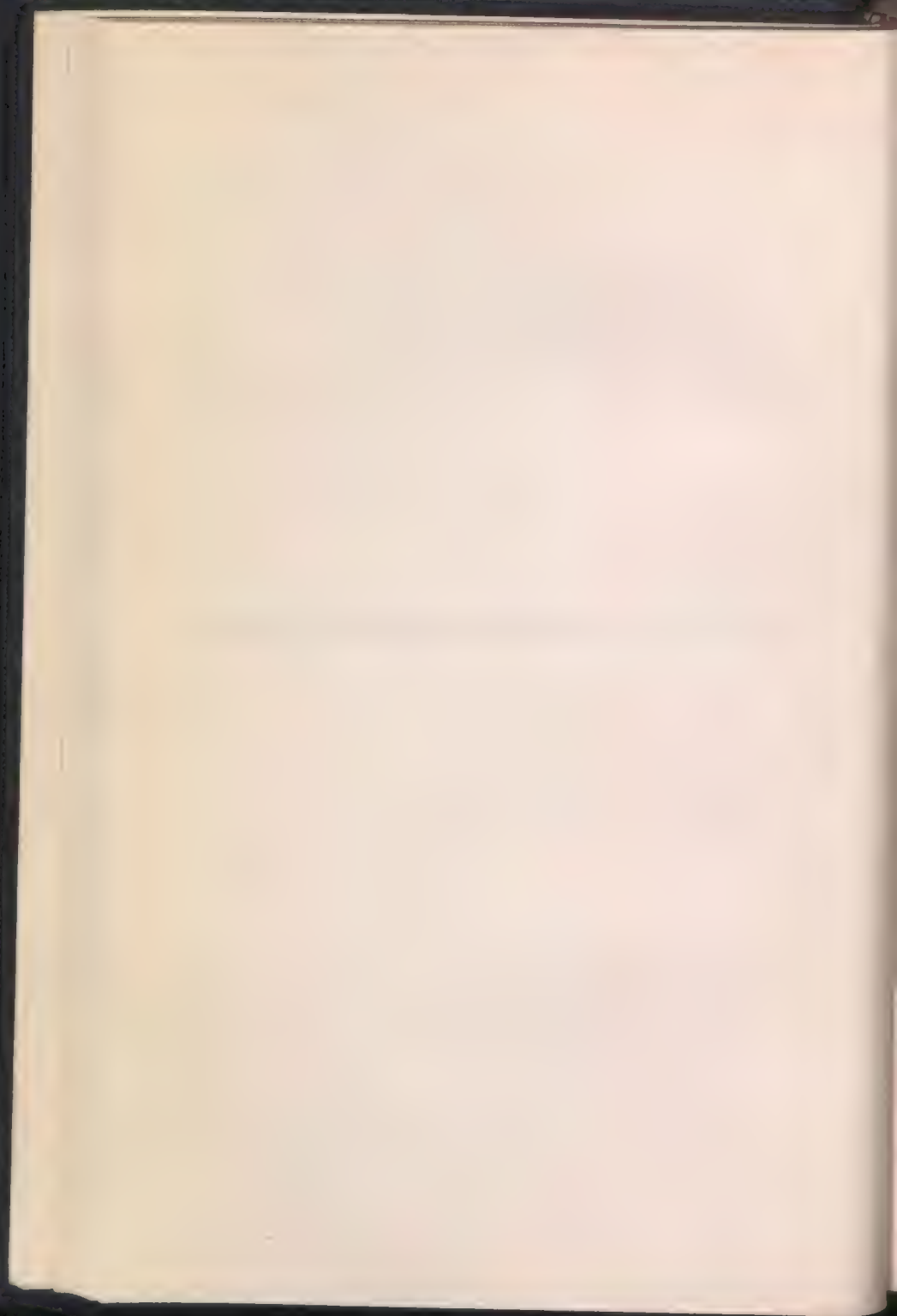
No permission to withdraw and no certificate to work done will be given a student who has not a clear financial record.

As the fiscal year of the University ends on August 31, no requests for refunds can receive consideration after that date.





THE COLLEGES, SCHOOLS, AND DIVISIONS





## THE JUNIOR COLLEGE

### INTRODUCTORY

The Junior College includes the first two years of college work. Its curricula are intended to continue the studies of a general cultural nature begun in the secondary schools, and to lay a foundation for the more specialized work which is to follow. During the freshman and sophomore years emphasis is accordingly laid (1) upon the social, cultural, biological, and physical background of civilization (history, political science, physical and biological sciences, literature, etc.) and (2) upon the discipline necessary to the effective prosecution of more advanced work (English rhetoric and composition, foreign languages, mathematics, etc.).

The Junior College also provides the preprofessional work required for admission to the Schools of Medicine, Pharmacy, Education, and Government.

In addition, it provides two two-year curricula, leading to the Junior Certificate, which are intended to meet the needs of students who do not look forward to a four-year college course.

### ADVISORY SYSTEM

In order that students may have abundant opportunities not only for assistance in planning their courses of study but also for personal, educational, and vocational advice in every phase of their academic work during the first two years, a number of members of the Faculty serve as advisers to Junior College students. Students on probation and "warned" students are required to consult advisers at such stated intervals as the Dean or adviser may direct. (See regulations on scholarship in the general catalogue, and "Warnings", below.) All students are, however, encouraged to consult with members of the Faculty and the Dean about their college problems at any time, irrespective of these requirements.

### ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 20-21.

## THE JUNIOR CERTIFICATE

Upon the satisfactory completion of the requirements of the Junior College, a Junior Certificate is granted. This certificate is required for admission to the junior class of Columbian College and to the professional Schools which require two years of pre-professional work.

### REQUIREMENTS FOR THE CERTIFICATE

To be recommended for a certificate, a student must satisfy the admission, residence, scholarship, and curriculum requirements. The curriculum requirements include at least sixty-four semester-hours of credit. A semester-hour of credit is one recitation or lecture a week or one laboratory period a week for one semester. For further information, see the Junior College announcement in the general catalogue.

The scholarship requirements, as stated in detail in the general catalogue, are in effect during the Summer Sessions.

### WARNINGS

At stated intervals during the Summer Sessions, instructors shall file in the Office of the Registrar the names of those students who are doing work of *D* grade or lower. These "warnings" shall be transmitted to the students concerned and copies forwarded to their respective advisers. A warning constitutes notice to the student that he must consult his adviser within a reasonable time and in any case not later than two weeks after receipt of the warning.

"Warning periods" during the Summer Sessions are established as follows: six-week courses, third to fourth week; nine-week courses, fourth to fifth week.

### COURSES OF INSTRUCTION

Junior College students may not take second-group courses (courses numbered 101-200) without the written permission of the instructor and of the Dean of the Junior College. A student will not be permitted to postpone a first-group course, required under the curriculum for which he is registered, in order to take a second-group course for elective credit. The principle that first-group courses must be taken in the Junior College years, and advanced courses in Columbian College and the professional Schools, will be rigidly adhered to in approving student programs.

## COLUMBIAN COLLEGE

### ADMISSION

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Bachelor of Arts or Bachelor of Science must present a Junior Certificate, based on the appropriate curriculum of the Junior College, or its equivalent.

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Master of Arts must present a baccalaureate degree in liberal arts or sciences from an accredited institution and a transcript of studies previously pursued.

### THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of Columbian College, the degree of Bachelor of Arts or Bachelor of Science is conferred.

In cooperation with the School of Medicine a seven-year curriculum leading to the combined degrees of Bachelor of Arts and Doctor of Medicine is offered.

### REQUIREMENTS FOR THE DEGREES

To be recommended for a baccalaureate degree a student must satisfy the admission, residence, scholarship, and curriculum requirements.

A minimum of one year, i.e., thirty semester-hours, must be completed in residence. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean to pursue work elsewhere, the work of the senior or final year must be completed in residence.

The scholarship requirements, as stated in detail in the general catalogue, are in effect during the Summer Sessions.

### CURRICULUM REQUIREMENTS

Every candidate for graduation must satisfy one of the curricula listed below leading to the degree of Bachelor of Arts or Bachelor of Science. The curriculum requirements include at least sixty semester-hours of credit beyond that of the Junior College.

In the case of curricula B-I, B-II-a, and B-II-b in Columbian College, the requirements for the major in the several departments



of instruction are stated in the general catalogue immediately preceding the announcement of courses offered. The first year of Medicine satisfies the requirements for the major in the combined Arts and Medicine curriculum.

Students are required to select and file with the Registrar a choice of a major upon entering Columbian College. Students may change the major only with the consent of the Dean and of the department or division concerned.

Attention is called to the new plan of studies in Columbian College, which is described in the general catalogue of the University and in a separate pamphlet, available on request.

#### BACHELOR OF ARTS

**B-I.\* *General Curriculum.***—The work of the junior and senior years, including a major, must be approved by the major department or division and by the Dean.

**G.\* *Combined Curriculum: Bachelor of Arts and Doctor of Medicine.***—This curriculum contemplates three years of collegiate study (the final thirty semester-hours of which must be taken in Columbian College) and four years in the George Washington University School of Medicine.

Students wishing to avail themselves of the opportunity offered by the combined curriculum must obtain the approval of the Dean of Columbian College at the time of entering the School of Medicine. Upon the completion of the first year of the regular curriculum in the School of Medicine, and upon the recommendation of its Dean, the degree of Bachelor of Arts will be conferred.

#### BACHELOR OF SCIENCE

The work of the junior and senior years, including a major in one of the sciences mentioned below, must be approved by the major department or division and by the Dean.

**B-II-a.\* *Biology, Botany, Geology, and Zoology Curriculum.***—Geology 21-22 must be taken if not elected earlier.

**B-II-b.\* *Chemistry, Mathematics, and Physics Curriculum.***—If Botany has been elected earlier, Geology 21-22 or Zoology 1-2 must be taken. If Geology has been elected earlier, either Botany 1-2 or Zoology 1-2 must be taken.

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\* See the table of the Junior College curricula in the general catalogue of the University, facing the Junior College announcement.

## THE DEGREE OF MASTER OF ARTS

Upon the satisfactory completion of the graduate requirements of Columbian College, the degree of Master of Arts is conferred.

### DEFINITION OF THE MASTER'S WORK

The purpose and function of study leading to the degree of Master of Arts is to give the student a comprehensive survey of a field of knowledge. This study involves the continuation of the cultural elements provided for in the undergraduate major and a greater acquaintance with scholarly methods.

The basis for granting the degree is the completion of a consistent plan of study, as demonstrated by the successful passing of a written examination (together with such other examinations involving special skills or techniques as the department or the division may require) and by the presentation of a satisfactory thesis.

The student must satisfy certain minimum requirements as to previous preparation, residence, ability to read an approved modern foreign (European) language, and courses taken; but these requirements, while essential, are regarded primarily as qualifying measures. The student's knowledge of his field, as demonstrated by his thesis and by the results of his Master's examination, constitutes the fundamental evidence of his worthiness to receive the Master's degree of The George Washington University.

### RESIDENCE

An academic year of residence is required, i.e., completion of a minimum of thirty semester-hours of work including the thesis, which is counted as six semester-hours of work. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than twenty-seven weeks. Not more than twelve semester-hours (which must be approved in advance by the Dean of Columbian College) may be taken in another School or Division of this University, and such work may not be counted toward both a degree in that School or Division and the Master's degree in Columbian College. No part of the minimum requirement may be taken elsewhere. All work for the degree of Master of Arts shall be completed within a maximum of three years, unless the Dean's Council considers the circumstances so unusual as to justify an extension of time.

### PROGRAM OF STUDY

The student's program of study shall be outlined in detail at the beginning of his work, and one copy of the program shall be given to the student, one retained by the adviser, and one filed in the Office of the Registrar. Each program is subject to the approval of the department or division. Programs may be revised as occasion requires, but revisions shall be made from the point of view of the program as a whole, and copies of the revised program distributed as in the case of the original program.

A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree is strongly advised so to plan his program from the beginning that work for the lower degree may prepare him for the higher.

### ADMISSION TO CANDIDACY

A student shall be admitted to candidacy, at the discretion of the department and the division concerned, before he begins the last half of his work for the Master's degree. Application for admission to candidacy is made on a form obtained at the Office of the Registrar, and must be approved by the appropriate representative of the division and by the Dean. If a prospective candidate, in his previous academic work, has not substantially satisfied the prerequisites for the Master of Arts study, as defined by the appropriate department or division, he will not be admitted to candidacy until such deficiency has been made up.

Before being admitted to candidacy the student must also show that he has a reading knowledge (certified by the appropriate foreign-language department) of at least one modern foreign (European) language, which shall be selected by the division under which he is studying.

### THE MASTER'S THESIS

The thesis may be of a research, expository, critical, or creative type. The main purpose of a Master's thesis is to demonstrate the student's ability to make independent use of the information and training acquired through his other disciplines, and to furnish objective evidence of his constructive powers in his chosen field. The thesis must be registered for not later than the beginning of the final year of preparation unless the professor in charge of the thesis permits registration at the beginning of the final semester. For this purpose the nine weeks' term of the Summer Sessions is considered a semester. The choice of the thesis subject must be



approved by the professor in charge of the field of study and recorded in the Office of the Registrar by the date announced in the University calendar. The typewritten thesis in its final form must have the approval of the professor in charge and of the Educational Committee of the division concerned, and must be presented to the Dean by the student not later than the date announced in the University calendar. Requirements regarding the form of the theses are stated in the general catalogue of the University.

#### THE MASTER'S EXAMINATION

In addition to such other examinations as may be required, candidates must pass a general written examination on the field of study. The provisions of the new plan for undergraduate majors, as far as they concern the general examination for the major, also apply to the Master's examination. A student who fails to pass the Master's examination may, in exceptional cases and with the approval of the division concerned, repeat the examination, but only after the lapse of one semester. If the candidate fails a second time, no further opportunity to take the examination will be given.

## THE LAW SCHOOL

### ADMISSION

Candidates for degrees must have received before admission to the Law School the degree of Bachelor of Arts or an equivalent degree from an approved college or university. Students in good standing in other approved law schools may be admitted for the Summer Session only as unclassified students.

Qualified students are permitted to begin the study of Law in the Summer Session.

### THE DEGREES

The Law School offers the degrees of Bachelor of Laws (LL.B.), Master of Laws (LL.M.), Juris Doctor (J.D.), and Doctor of Juridical Science (S.J.D.). Regarding requirements for these degrees, see the Law School Catalogue.

### RESIDENCE AND ATTENDANCE

The Summer Session is a regular part of the work of the School. Credit is given for subjects completed by regularly qualified students. Residence credit is given for one fifth of a part-time year for attendance in one term of the Summer Session. A part-time year is three fourths of a full-time year and one fourth of the residence requirement for the degree of Bachelor of Laws. In no case will residence credit amounting to more than this be allowed for attendance during the Summer Session.

### COURSES OF INSTRUCTION AND CREDITS

Students may obtain a maximum of four semester-hours of credit in each term by attendance aggregating ten periods a week.

## THE SCHOOL OF EDUCATION

### INTRODUCTORY

It is the purpose of the School of Education to prepare teachers, supervisors, and administrators for the higher ranges of educational service and to offer opportunities to teachers of experience to extend their training. The School embraces the Departments of Education, Physical Education, and Home Economics, and it is affiliated with all the other departments of the University in which the student is likely to elect work. It offers both graduate and undergraduate work.

The program for a degree in the School of Education is planned with the assistance of a Faculty adviser to meet the specific needs of each student. It is important, therefore, that a student have a clear idea of his interest in Education, and also that he be familiar with whatever teaching-certificate requirements he wishes to meet.

The Department of Education offers fundamental courses in the field of Education; students are encouraged to take a large part of their work in the content fields provided by the other departments of the University.

### ADMISSION

Admission to the undergraduate division of the School is based on (a) the satisfactory completion of two years of approved college work, or (b) graduation from an approved two-year normal school, or the equivalent. Students meeting these requirements are admitted as regular students.

To be admitted to graduate standing a candidate must hold a baccalaureate degree from an accredited school or college or must have completed a course of study that is judged by the Faculty to be the equivalent. In addition, the candidate must be accepted by the Committee on Admission and Advanced Standing. The general procedure in meeting this requirement will usually include scholarship and personality ratings from instructors under whom the candidate has studied, a personal interview with the committee, and a scholastic-aptitude test.

### THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of the School of Education, the degree of Bachelor of Arts in Education, Bachelor of Science in Home Economics, or Bachelor of Science in Physical Education is conferred.



To be recommended for a degree a student must satisfy the admission, residence, scholarship, and curriculum requirements.

A minimum of one year, or thirty semester-hours, must be completed in residence. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean to pursue the work elsewhere, the work of the senior or final year must be completed in residence.

The scholarship requirements, as stated in detail in the general catalogue, are in effect during the Summer Sessions.

#### BACHELOR OF ARTS IN EDUCATION

Students admitted with two years of approved college work are granted the degree of Bachelor of Arts in Education upon the completion of sixty-six semester-hours of work. This work must include:

•Education (including Observation and Cadet Teaching).....	18
†Educational Psychology.....	2 or 3
†Educational Sociology.....	2 or 3
Subject-matter field.....	24 to 36
Electives .....	6 to 20

To the extent that courses in the foregoing list are offered for admission, the range of electives is increased.

For further details consult the general catalogue.

#### BACHELOR OF SCIENCE

For detailed information concerning curricula leading to degrees of Bachelor of Science in Home Economics and Bachelor of Science in Physical Education, see the general catalogue.

#### THE HIGHER DEGREES

Upon the satisfactory completion of the graduate requirements of the School of Education, the degree of Master of Arts or the degree of Doctor of Education is conferred.

Graduate work completed in other accredited institutions of learning may be credited toward the Master's degree, but a minimum of twenty-four semester-hours must be completed at The George Washington University.

Transferred work completed more than three years prior to registration for the Master's degree at The George Washington

\* The choice of electives in Education and the number of hours elected in excess of eighteen will depend largely upon the certification requirements that the student wishes to meet.

† Required in addition to eighteen semester-hours in Education.

University will be credited only after the candidate has satisfied the department concerned that he is proficient in the subject matter of the courses offered for credit. Such proficiency may be determined by examination or by other means.

#### MASTER OF ARTS

The degree of Master of Arts is a professional degree designed to prepare the student for some particular type of educational service. The program of studies leading to the degree will be selected by the candidate and his consultative committee from the various departments of the University to give the student an adequate background in his chosen vocational field.

A candidate must pass in resident study at this University at least two semesters, or one semester and a nine-week summer term, or three nine-week summer terms, or four six-week summer terms.

A student whose previous preparation in his chosen field has been adequate may complete his class requirements, including the thesis, by a minimum of thirty semester-hours of work; others may be required to take as many as twelve semester-hours additional.

The program of study will be rounded out by a thesis, which will count as six semester-hours of credit toward the degree. It may be of a research, expository, critical, or creative type, and is intended to demonstrate the student's ability to make independent use of the information and training that he has acquired, and to furnish objective evidence of his constructive powers in his chosen field. The thesis subject must be approved in writing by the candidate's adviser and recorded in the Office of the Registrar by the date announced in the University calendar.

#### DOCTOR OF EDUCATION

The degree of Doctor of Education is conferred upon the completion of three years of graduate work, including a thesis. The work required is given a practical bent and emphasizes the mastery and application of professional subject matter, both in the study requirements and in the thesis. The tools of investigation are not set, but are determined by the student's committee in relation to the student's needs. These tools may include statistical methods, historical criticism, and the use of one or more foreign languages. At least two semesters must be spent in residence at this University. Special emphasis is placed upon the candidate's success in teaching, supervision, administration, or publication.

For the requirements in detail, see the general catalogue.

## THE SCHOOL OF GOVERNMENT

### INTRODUCTORY

The purpose of the School of Government is to prepare students for public affairs, for various branches of the public service, both foreign and domestic, and for positions in business.

### ADMISSION

Admission to undergraduate work is based upon a Junior Certificate in Government from the Junior College of this University, or its equivalent.

Admission to work for the Master's degree is based upon a Bachelor's degree which includes the proper basic training for the degree sought. For instance, admission to work for the Master's degree with a major in Foreign Commerce is based upon a Bachelor's degree with training approximately equivalent to the Bachelor's degree with a major in Foreign Commerce.

### THE DEGREES

The degrees offered are Bachelor of Arts in Government and Master of Arts in Government. For a complete statement of the requirements for these degrees, see the announcement of the School of Government in the general catalogue.

#### THE DEGREE OF BACHELOR OF ARTS IN GOVERNMENT

The curricula leading to the Bachelor's degree are Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, and Public Accounting. The requirements of these curricula are set forth in the general catalogue.

#### THE DEGREE OF MASTER OF ARTS IN GOVERNMENT

For the Master's degree thirty semester-hours of work must be completed successfully. No part of the minimum requirement may be taken in any other institution. The curricula are in Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, and Public Accounting.

A student is formally recognized as a candidate for the Master's degree only when his application for candidacy has been approved by the Dean of the School of Government. Before being admitted to candidacy he must show a reading knowledge of at least one modern foreign language.



## THE DIVISION OF UNIVERSITY STUDENTS

### INTRODUCTORY

The Division of University Students was organized in 1930 in order to make the work of the University in its several divisions more fully accessible to mature students and to provide for the offering of special courses to meet special demands as they may arise from time to time. Students registered in this Division are designated "university" students, as distinguished from regularly matriculated undergraduate and graduate students.

### ADMISSION

Qualified students, not candidates for degrees in The George Washington University, who desire to pursue courses in the Summer Sessions, may be enrolled in the Division of University Students. In each case the approval of the instructor concerned must be obtained.

Applicants for admission must present a complete statement of the work previously pursued, on the University form. A student who is unable to pursue with advantage a course for which he is registered, may be dropped from the rolls of that course upon the recommendation of the instructor and with the approval of the Dean.

In special instances, with the permission of the instructor, a person may be registered as an "auditor" in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

### UNIVERSITY STUDENTS IN THE LAW SCHOOL

A limited number of persons who cannot qualify as candidates for a degree in Law, but who are over twenty-five years of age and because of their maturity, educational training, and practical experience seem qualified to pursue the study of Law, may be admitted as university students upon the approval of the Faculty of the Law School.

Candidates for admission as university students in the Law School must file written applications, setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Work done by such university students will not be counted toward a degree.

**TRANSFER TO REGULAR STATUS**

University students may be transferred, at their request, to other Colleges, Schools, and Divisions of the University only upon complying with the regulations of the specific Colleges, Schools, and Divisions as stated in the general catalogue. Students should familiarize themselves with the regulations printed in the general catalogue of the University concerning admission, residence, amount and quality of work. Specifically, they should note that in some cases not more than thirty (30) semester-hours of credit may be transferred from this Division; that at least the last thirty (30) semester-hours must be spent in residence in the College, School, or Division granting the degree; and that a general quality-point index of 2.00 must be maintained, with an index of 2.50 in the major.

## OTHER UNIVERSITY DIVISIONS

### THE GRADUATE COUNCIL

The Graduate Council offers work leading only to the degree of Doctor of Philosophy. Because the basis for work under the Graduate Council is primarily creative research, regular study in specific courses is considered quite incidental and is therefore not emphasized in connection with the curricula of the Summer Sessions. A student wishing to work under the disciplines of the Graduate Council will consult the Chairman of the Graduate Council for information concerning credentials and candidacy.

More complete general information concerning procedures and requirements for work with the Graduate Council may be found in the general catalogue of the University.

### THE SCHOOL OF ENGINEERING

The 1940 Summer Sessions program in the School of Engineering will be restricted to a special course in Naval Architecture and an Institute on Management Policy which are described on page 53. Although no courses will be offered in Civil Engineering or Electrical Engineering, undergraduate students will find an opportunity to take other required courses and electives, such as Chemistry, Economics, English, Languages, Mathematics, Physics, and Political Science.

Students in the School of Engineering are urged to consult with the Dean and departmental advisers in regard to taking required courses and electives in the Summer Sessions.





COURSES OF INSTRUCTION





## COURSES OF INSTRUCTION

Courses are offered in the Junior College, Columbian College (the senior college), the Law School, the School of Education, the School of Government, the School of Engineering, and the Division of University Students. Students in the School of Pharmacy will have the opportunity to take many of their elective and required courses in the Junior College and Columbian College curricula.

Nine weeks' term (all Divisions other than Law School)  
Begins June 17, ends August 16

Six weeks' term (all Divisions other than Law School)  
Begins June 24, ends August 2

Law School Summer Sessions

First term begins June 17, ends July 29

Second term begins July 30, ends September 12

### BOTANY

5 *Field Botany* (6)

Griggs

Field trips to neighboring localities of botanical interest, with classroom study. Nine weeks' term; daily except Sat., 5:10 to 7:00 P.M., and Sat. afternoon (Room: C-405).

211 *Research* (3)

Griggs

Laboratory investigation of special problems. Nine weeks' term; hours to be arranged.

### BUSINESS ADMINISTRATION

51-52 *Principles of Accounting* (3-3)

Kennedy

Principles and procedures of double-entry accounting with special reference to single proprietorships, partnerships, and corporations. Second half begins July 18. Nine weeks' term; daily except Sat., 6:10 to 8:00 P.M. (Room: Gov.-200).

101 *Business Organization and Control* (3)

Owens

Simple and interrelated forms of business enterprise and their control by government. Nine weeks' term; daily except Sat., 5:10 P.M. (Room: Gov.-300).

- 102 *Business Management* (3) Owens  
 Organization and management of a business, with particular reference to a manufacturing concern. Nine weeks' term; daily except Sat., 6:10 P.M. (Room: Gov.-300).
- 115 *Business Finance* (3) Kennedy  
 Survey of financial policies involved in new enterprises, and study of capital structures, promotion, earnings, surplus, reorganization, and governmental regulation. With permission this course may be elected by Public Accounting majors. Nine weeks' term; daily except Sat., 7:30 A.M. (Room: Gov.-200).

### CHEMISTRY

- 11-12 *General Chemistry* (4-4) Van Evera and Naeser  
 For students who are beginning the study of Chemistry. Students who have had high-school Chemistry may, with permission of the instructor, enter Chemistry 12 on July 18. Students taking Chemistry 11 must complete Chemistry 12 before credit is allowed. Material fee, \$9 for each half; breakage deposit, \$10. Nine weeks' term; daily except Sat., 8:30 A.M. to 1:20 P.M. (Room: Cor.-39).
- 21 *Inorganic Qualitative Analysis* (4) Van Horn  
 Prerequisite: Chemistry 12. Required of all students of Engineering and Pharmacy, and recommended for pre-medical students. Material fee, \$9; breakage deposit, \$10. Nine weeks' term; daily except Sat., 9:30 A.M. to 12:30 P.M. (Room: Cor.-34).
- 121 *Inorganic Quantitative Analysis* (4) Knowles  
 Prerequisite: Chemistry 21, or the equivalent. The principles of gravimetric and volumetric analysis. Material fee, \$12; breakage deposit, \$10. Nine weeks' term; daily except Sat., 9:30 A.M. to 1:20 P.M. (Room: Cor.-34).
- 151-52 *Organic Chemistry* (4-4) (formerly 41-42) Mackall and Wrenn  
 151: Prerequisite: Chemistry 12. Chemistry of the acyclic carbon compounds. Lecture (3), laboratory (1). Material fee, \$6; breakage deposit, \$10. 152: Prerequisite:

Chemistry 151, or its equivalent. Chemistry of the cyclic carbon compounds. Lecture (2), laboratory (2). Material fee, \$12; breakage deposit, \$10. This is a full year course, and no credit is given until Chemistry 152 is completed. Second half begins July 18. Nine weeks' term; daily except Sat., 8:30 A.M. to 1:20 P.M. (Room: Cor.-37).

297-98 *Research*

The Staff

Nine weeks' term; hours, credits, and fees to be arranged.

299-300 *Thesis* (3-3)

Material fee, \$12 for each half; breakage deposit, \$10. Nine weeks' term; hours to be arranged.

### ECONOMICS

1-2 *Introductory Economics* (3-3)

Watson and Kerr

Survey of the major economic institutions and economic problems in contemporary society. Second half begins July 18; nine weeks' term. Section A: daily except Sat., 9:30 to 11:20 A.M. (Room: Gov.-201).

Section B: daily except Sat., 6:10 to 8:00 P.M. (Room: Gov.-201).

110 *Economic Geography* (3)

Acheson

The economics of natural resources; raw materials; staple crops; and location of industry. Prerequisite: Economics 1-2. Nine weeks' term; daily except Sat., 5:10 P.M. (Room: Gov.-301).

175 *Economic Fluctuations: Business Cycles* (3)

Burns

Analysis of strategic factors in economic instability; survey of recent business-cycle theories. Prerequisite: Economics 1-2. Nine weeks' term; daily except Sat., 7:30 A.M. (Room: Gov.-304).

177 *Advanced Economic Theory* (3)

Watson

Analysis of the theory of monopolistic competition and other recent developments in general economic theory. Prerequisite: Economics 1-2 and 105. Nine weeks' term; daily except Sat., 5:10 P.M. (Room: Gov.-304).



189 *Exchange Depreciation, Stabilization, and Control* (3)

Acheson

Post-war currency history with emphasis on growth of exchange control; depreciation of the major currencies; attempts at stabilization. Prerequisite: Economics 1-2. Nine weeks' term; daily except Sat., 6:10 P.M. (Room: Gov.-301).

278 *Economics of Recovery Policy* (3)

Burns

Analysis of instability and secular retardation; Government spending, investment policy, tax policy as recovery measures. Nine weeks' term; days to be arranged, 7:10 P.M. (Room: Gov.-304).

## EDUCATION

(Psychology 121, *Educational Psychology*, or the equivalent, is prerequisite for all courses in Education. Appropriate undergraduate courses are prerequisite for all seminars.

A folder containing further information concerning the program in Education will be mailed upon request.)

121 *Adjusting the Curriculum to the Exceptional Child* (2)

Webb

Especially designed for elementary school teachers. Preparation and application of practical materials for pupils in regular classes who deviate from the average. Plans to meet the needs of bright, gifted, dull, and problem pupils will be developed. Six weeks' term; daily except Sat., 9:30 A.M. (Room: D-203).

138 *The Social Studies in the Elementary School* (2) Coyner

Function in building desirable social understanding; units of work, activities, types, and sources of instructional materials. Six weeks' term; daily except Sat., 8:30 A.M. (Room: D-305).

156 *Secondary Education: The Junior High School* (2)

Jarman

Development, purposes, principles and methods, organization and administration, guidance, extracurricular activities. Six weeks' term; daily except Sat., 11:30 A.M. (Room: D-205).

187 *Organization and Administration of Guidance* (2)

Jager, Ruch

Principles and functions of guidance; roles of the classroom teacher, homeroom teacher, counsellor, principal and clinic; measurement in guidance; personnel records; initiating a school guidance program; administration of guidance in a school system. Six weeks' term; daily except Sat., 7:30 A.M. (Room: D-203).

209 *Seminar: Administration* (3)

Fox

Administrative problems affecting teachers; effective human relationships in administration; the control of public education—local, state, and federal. Six weeks' term; daily except Sat., 8:30 A.M. (Room: C-205).

217 *Seminar: Contemporary Problems in Education* (3)

Jarman

Designed to help students to formulate a personal philosophy of education. Discussion of such problems as the relative roles of social-civic, economic-vocational, and individual-avocational activities; adjustment to environment versus self-development; progressive versus fundamentalist viewpoints; child-centered versus society-centered schools; indoctrination versus open-mindedness. A number of guest speakers will assist in the discussion of the various problems. Six weeks' term; daily except Sat., 9:30 A.M. (Room: D-205).

221 *Seminar: Early Childhood Education* (3)

Coyner

Needs, interests, and abilities of children in the primary grades; equipment, supplies, and progressive instructional practices for early childhood education. Six weeks' term; daily except Sat., 11:30 A.M. (Room: D-305).

223 *Seminar: Program Planning in the Elementary Grades* (3)

Coyner

Newer tendencies and practices in program planning in the elementary grades. Each member of the class will work on a problem that is particularly pertinent to his school, and will participate in lectures, conferences, and group discussions. Cooperation of the entire staff will be available. Six weeks' term; daily except Sat., 10:30 A.M. (Room: D-305).

- 225 *Seminar: Elementary Education in the Intermediate Grades (3)* Mackintosh  
Improvement of instruction in the intermediate grades; problems in adjusting school organization and the curriculum to the needs of boys and girls. Planned around the questions raised by class members. Six weeks' term; daily except Sat., 11:30 A.M. (Room: C-205).
- 230 *Seminar: Supervision of Elementary Education (3)* Webb  
Practical problems of the elementary school principal as related to the improvement of instruction, classroom visitation, faculty meetings, creative, and extra-class activities. Problems and trends of the elementary school will be discussed in the light of the philosophy and psychology of current school practice. Six weeks' term; daily except Sat., 10:30 A.M. (Room: D-203).
- 244 *Seminar: Methods of Teaching High School Latin* Dean  
Courses of study since 1900; methods and texts in current use; adaptation of method to particular school conditions. The Classical Investigation is used as a basis of action. Students are assigned topics for special study and have the opportunity of observing methods in high school summer classes. Six weeks' term; daily except Sat., 8:30 A.M. (Room: D-208).
- 253 *Seminar: Course of Study Construction in Secondary Schools (3)* Jarman  
A workshop approach to course of study construction for junior and senior high school teachers. Opportunity will be given the individual student to carry on research in problems originating in his particular school. There will be conferences, general lectures, and group discussions. Other members of the staff will be available as consultants. Six weeks' term; daily except Sat., 8:30 A.M. (Room: D-205).
- 257 *Seminar: Secondary Education (3)* Fox  
Principles, objectives, curriculum, and activities of the senior high school. Students will be given an opportunity to present any problems in which they are especially interested. Six weeks' term; daily except Sat., 9:30 A.M. (Room: C-205).



**259 Seminar: Administration of Secondary Education (3) Fox**

Admission, classification, promotion, and control of pupils; financial problems; scheduling of classes; administrative routine; staff organization. Six weeks' term; daily except Sat., 10:30 A.M. (Room: C-205).

**293 Research (3)**

Staff

Investigation of special problems. Six weeks' term; hours to be arranged.

**297-98 Thesis (3-3)**

Consultative Committee

Program of research arranged with committee.

(See also announcements of courses under other departments for the six weeks' term; especially Psychology, Sociology, and Statistics.)

**ENGINEERING**

***Institute on Management Policy***

To be held in cooperation with agencies of the Government and of engineering and industry. The Institute is the first of a projected series on industrial management policy and will have for its general subject Wage Hour Administration and related administrative personnel problems. Open to industrial and engineering executives, trade association managers, teachers of management, personnel administrators, graduate students, and others interested in the practical problems of administration of wage-hour legislation. June 10, 11, and 12.

A registration fee of ten dollars will be charged. Further particulars will be presented later in a special bulletin.

**5 (Mechanical Engineering) Introductory Naval Architecture (5) Johnson**

Lectures on the characteristics of various types of vessels, the arrangement, nomenclature, and functions of the structure, machinery, and equipment; the application of insurance rules to the determination of scantlings (struc-



tural sizes); the determination of hull forms; the physical laws of flotation and stability; and political laws involving safety at sea. Three visits to nearby shipyards. Prerequisite: the completion of the first year's engineering subjects in an accredited University. Exceptionally mature students who have been employed in shipbuilding, operation, or maintenance, may be admitted to the course, but will receive no academic credit until they shall have completed the first year's work in engineering. Students in engineering may take this course as an elective with the approval of their department heads and the Dean. Nine weeks' term; Monday through Thursday, 5:10 to 7:00 P.M. (Room: Gov.-1).

### ENGLISH

- 1-2 *Freshman English* (3-3) A. Smith and F. Smith  
Grammatical review, exercises in composition, and study and criticism of literary forms. Second half begins July 18; nine weeks' term.  
Section A: daily except Sat., 9:30 to 11:20 A.M. (Room: D-102).  
Section B: daily except Sat., 6:10 to 8:00 P.M. (Room: D-102).
- 51 *Introduction to English Literature* (3) Stone  
From the beginnings to about 1750. Nine weeks' term; daily except Sat., 8:30 A.M. (Room: D-202).
- 52 *Introduction to English Literature* (3) Stone  
From about 1750 to 1900. Nine weeks' term; daily except Sat., 11:30 A.M. (Room: D-202).
- 91 *Introduction to European Literature* (3) Shepard  
Ancient and modern European drama; classical epic; and literary criticism. Nine weeks' term; daily except Sat., 6:10 P.M. (Room: D-202).
- 92 *Introduction to European Literature* (3) Shepard  
Medieval romance; ancient and modern philosophy; satiric and historical novel. Nine weeks' term; daily except Sat., 7:10 P.M. (Room: D-202).

- 134 *Shakespeare's Principal Plays* (2) Baker  
A study of Shakespeare's literary and theatrical technique in his greatest plays. Six weeks' term; daily except Sat., 10:30 A.M. (Room: D-103).
- 142 *The Neoclassical Movement* (3) Stone  
Second half. Chief writers from Swift to Dr. Johnson. Nine weeks' term; daily except Sat., 5:10 P.M. (Room: D-202).
- 167 *Contemporary British Drama* (2) Baker  
Significant plays and playwrights of the English stage since 1890. Six weeks' term; daily except Sat., 11:30 A.M. (Room: D-103).
- 172 *Studies in American Literature* (3) Bolwell  
Major factors in American Literature during the past century. Nine weeks' term; daily except Sat., 6:10 P.M. (Room: D-303).
- 176 *The American Novel* (3) Bolwell  
Chronological development of fiction from the beginnings to the present day. Nine weeks' term; daily except Sat., 5:10 P.M. (Room: D-303).
- 193 *Introduction to the Study of Poetry* (2) Baker  
The teaching and interpretation of poetry. Six weeks' term; daily except Sat., 8:30 A.M. (Room: D-103).
- 251 *Studies in the Romantic Movement* (3) A. Smith  
A seminar for graduate students in special problems of romanticism. Nine weeks' term; days to be arranged, 8:10 P.M. (Room: D-208).

FRENCH

(See Romance Languages)

GERMAN

- 1-2 *First-Year German* (3-3) Sehrt and Rogers  
Essentials of grammar and translation of simple prose. Second half begins July 18. Nine weeks' term.

Section A: daily except Sat., 9:30 to 11:20 A.M. (Room: D-304).

Section B: daily except Sat., 6:10 to 8:00 P.M. (Room: D-304).

5-6 *Second-Year German* (3-3)

Sehrt

Composition and conversation; readings in prose and poetry. Second half begins July 18. Nine weeks' term; daily except Sat., 6:10 to 8:00 P.M. (Room: D-302).

### HISTORY

39 *The Development of European Civilization to 1789* (3)

Kayser

Nine weeks' term; daily except Sat., 11:30 A.M. (Room: D-102).

40 *The Development of European Civilization since 1789* (3)

Ragatz

Nine weeks' term; daily except Sat., 8:30 A.M. (Room: Gov.-303).

71 *The Development of American Civilization to 1865* (3)

Gray

Nine weeks' term; daily except Sat., 5:10 P.M. (Room: Gov.-302).

72 *The Development of American Civilization since 1865* (3)

Mayo

Nine weeks' term; daily except Sat., 6:10 P.M. (Room: Gov.-302).

130 *Nationalism* (2)

Kayser

The historical evolution of modern nationalism. Six weeks' term; daily except Sat., 8:30 A.M. (Room: D-102).

144 *Europe since 1914* (3)

Ragatz

The World War and its aftermath. Nine weeks' term; daily except Sat., 7:30 A.M. (Room: Gov.-303).

145 *Modern Imperialism* (3)

Ragatz

International rivalries in Africa, Asia, and the Pacific basin. Nine weeks' term; daily except Sat., 5:10 P.M. (Room: Gov.-303).

- 176 *Representative Americans: A Biographical Approach to National History* (3) Gray

A study of some forty or fifty significant and pivotal personalities in the development of the United States in government, business, science, education, religion, journalism, the arts, and social reform, from 1636 to the present time. Nine weeks' term; daily except Sat., 6:10 P.M. (Room: Gov.-304).

- 191 *Current History* (2) Kayser and Mayo  
Contemporary events in their world setting. Six weeks' term; daily except Sat., 10:30 A.M. (Room: Gov.-202).

- 241 *Seminar in Modern European History* (3) Kayser  
Studies in the theory and practice of modern nationalism. Nine weeks' term; Tues. and Thurs., 8:00 to 10:00 P.M. (Room: D-100).

### LAW

(First-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400. Graduate students may take third-year courses which they have not already completed.

A folder containing further information concerning the program in Law will be mailed upon request.)

### FIRST TERM

- 129-30 *Judicial Process and the Use of Legal Materials* (4) Benson

Benson and Fryer, Readings on the Study of Law and the Anglo-American Legal System; Arnold and James, Cases on Trials, Judgments, and Appeals. Daily except Sat., 5:10 to 7:00 P.M. (Room: Sto.-22).

- 261-62 *Sales* (4) Oppenheim  
Williston and McCurdy, Cases on Sales, 1932 ed. Daily except Sat., 5:10 to 7:00 P.M. (Room: Sto.-10).

- 315-16 *Conflict of Laws* (4) Van Vleck  
Cheatham, Dowling and Goodrich, Cases on Conflict of Laws. Daily except Sat., 5:10 to 7:00 P.M. (Room: Sto.-21).



- 352 *Persons and Domestic Relations* (4) Compton  
Madden and Compton, *Cases in Domestic Relations*.  
Daily except Sat., 5:10 to 7:00 P.M. (Room: Sto.-30).

## SECOND TERM

- 133-34 *Property I* (4) Fryer  
Bohlen, Appendix to *Cases on Conversion*, 3d ed., 1933,  
with supplementary materials; Fryer, *Readings on Personal Property*, 3d ed., 1938. Daily except Sat., 5:10  
to 7:00 P.M. (Room: Sto.-22).
- 202 *Agency* (4) McIntire  
(Case book to be announced.) Daily except Sat., 5:10  
to 7:00 P.M. (Room: Sto.-10).
- 326 *Federal Jurisdiction* (2) Davison  
Frankfurter and Shulman, *Cases on Federal Jurisdiction*.  
Tues. and Fri., 5:10 to 7:00 P.M., Wed., 6:10 P.M.  
(Room: Sto.-30).
- 353 *Public Utilities* (2) Davison  
Welch et al., *Cases on Public Utility Regulation*. Mon.  
and Thurs., 5:10 to 7:00 P.M., Wed., 5:10 P.M. (Room:  
Sto.-30).
- 381-82 *Trusts* (4) Moll  
Scott, *Cases on Trusts*, 2d ed. Daily except Sat., 5:10  
to 7:00 P.M. (Room: Sto.-21).

## MATHEMATICS

- 12 *Plane Analytic Geometry* (3) Mears  
Prerequisite: Introductory College Mathematics. Nine  
weeks' term; daily except Sat., 5:10 P.M. (Room:  
D-205).
- 19-20 *Differential and Integral Calculus* (3-3) Johnston  
Prerequisite: Plane Analytic Geometry. Second half  
begins July 18. Nine weeks' term; daily except Sat.,  
6:10 to 8:00 P.M. (Room: D-103).
- 132 *Differential Equations* (3) Mears  
Prerequisite: Mathematics 20. Nine weeks' term; daily  
except Sat., 6:10 P.M. (Room: D-205).

## PHILOSOPHY

- 103 *Principles of Philosophy* (3) Garnett  
A survey of the problems and theories of philosophy. Nine weeks' term; daily except Sat., 6:10 P.M. (Room: D-201).
- 132 *Ethics* (2) Garnett  
A study of wisdom in conduct in personal and group life. Six weeks' term; daily except Sat., 8:30 A.M. (Room: D-201).

## PHYSICAL EDUCATION FOR MEN

## THEORETICAL COURSES

- 47 *Introduction to Physical Education* (2) Myers  
An orientation course presenting in elementary form the problems of physical education, vocational analysis, historical implication, scientific foundations, and scope of field. First term, June 17 to July 30. Daily except Sat., 7:30 A.M. (Room: Gov.-305).
- 141-42 *Administration of Community Recreational Programs* Farrington  
(2-2)  
The administrative organization of camps, community centers, industrial and playground recreation; social organization of recreation; problems of program content. Field trips; observation; practical work. Nine weeks' term. First term, June 17 to July 30; daily except Sat., 8:30 A.M. (Room: Gov.-305). Second term, July 30 to Sept. 13; daily except Sat., 8:30 A.M. (Room: Gov.-305).

## PHYSICAL EDUCATION FOR WOMEN

- 121 *The Health and Physical Education Program in the Elementary School* (2) Atwell  
For administrators, supervisors, classroom teachers, and parents. Detection and interpretation of individual differences through a survey of age characteristics, available testing materials, and the rudiments of physical examinations; methods, materials, and organization in physical education activities; the development of programs in health education. Six weeks' term; daily except Sat., 9:30 A.M. (Room: D-201).

## PHYSICS

- 12 *Electricity and Magnetism* (3) Seeger  
Prerequisite: Physics 3 or 11. Students who have credit for high-school Physics from an accredited high school may, with the permission of the Physics Department, omit this prerequisite. Material fee, \$4.50. Nine weeks' term; Mon., Wed., and Fri., 6:00 P.M. and Tues. and Thurs., 6:30 to 8:30 P.M. (Lectures, room: Cor.-10; Lab: Cor.-29).
- 13 *Mechanics, Sound, and Light* (3) Brown and Seeger  
Prerequisite: Physics 3 or 11. Students who have credit for high-school Physics from an accredited high school may, with the permission of the Physics Department, omit this prerequisite. Material fee, \$4.50. Nine weeks' term; Mon. and Fri., 6:10 to 7:30 P.M., and Tues. and Thurs., 6:30 to 8:30 P.M. (Lectures, room: Cor.-10; Lab: Cor.-29).
- 14 *Introduction to Modern Physics* (2) Brown  
Prerequisite: Physics 12 and 13. A student may take Physics 13 concurrently if he has credit for Physics 12. Six weeks' term; daily except Sat., 5:10 P.M. (Room: Cor.-10, Tues. and Thurs.; Cor.-39, Mon., Wed., and Fri.).

## POLITICAL SCIENCE

- 9 *Government of the United States* (3) Tillema and West  
The organization of the federal, state, and local governments. Nine weeks' term.  
Section A: daily except Sat., 11:30 A.M. (Room: Gov.-202).  
Section B: daily except Sat., 5:10 P.M. (Room: Gov.-202).
- 10 *Government of the United States* (3) West  
The functioning of the federal, state, and local governments. Nine weeks' term; daily except Sat., 6:10 P.M. (Room: Gov.-202).
- 112 *The New Governments of Europe* (3) Tillema  
Nine weeks' term; daily except Sat., 5:10 P.M. (Room: Gov.-305).



127 *Commercial Law* (3) Tillema  
Contracts, agency, and bailments. Nine weeks' term;  
daily except Sat., 6:10 P.M. (Room: Gov.-305).

172 *International Politics and Organization* (3) Johnstone  
Nine weeks' term; daily except Sat., 6:10 P.M. (Room:  
C-205).

281 *Seminar: International Law and Relations* (3) Johnstone  
Nine weeks' term; Mon. and Wed., 8:10 P.M. (Room:  
Lis.-410).

(See "Engineering" for *First Institute on Management Policy*.)

## PSYCHOLOGY

(Psychology 1, *General Psychology*, is prerequisite for all other  
courses in Psychology.)

1 *General Psychology* (3) Britt  
The fundamental principles underlying human behavior.  
Nine weeks' term.

Section A: daily except Sat., 8:30 A.M. (Room: D-105).

Section B: daily except Sat., 5:10 P.M. (Room: D-105).

2 *Applied Psychology* (3) Hunt  
The applications of psychology in business, industry,  
medicine, law, athletics, education, and art. Nine weeks'  
term; daily except Sat., 5:10 P.M. (Room: D-307).

115 *Abnormal Psychology* (3) Hunt  
The causes, diagnosis, treatment, and prevention of the  
various types of mental disorders. Nine weeks' term;  
daily except Sat., 6:10 P.M. (Room: D-307).

121 *Educational Psychology* (2) Britt  
Individual differences and their educational significance;  
the psychology of learning, with special emphasis on  
adolescence (parallels Psychology 22). Opportunity to  
earn three semester-hours of credit may be arranged. Six  
weeks' term; daily except Sat., 9:30 A.M. (Room:  
D-307).



- 143 *Personnel Psychology in the Public Service* (3) Hubbard  
Personnel selection through tests, education and experience ratings, and other employment methods. Methods of attracting qualified applicants; legal and administrative problems involved in the selection of public employees; relationship between employee selection and other personnel functions. Nine weeks' term; daily except Sat., 5:10 P.M. (Room: D-304).
- 203 *Research in Psychology* The Staff  
Hours and credits to be arranged.
- 226 *Seminar: Clinical Psychology of Childhood* (3) Hunt  
A study of behavior problems, personality disturbances, and mental disorders of children. Six weeks' term; daily except Sat., 10:30 A.M. (Room: D-307).
- 228 *Seminar: Techniques of Counseling* (3) Dreese  
A survey of counseling techniques and the types of problems most likely to confront home-room teachers, school counselors, and personnel workers. Six weeks' term; daily except Sat., 11:30 A.M. (Room: D-208).
- (See "Engineering" for First Institute on Management Policy.)

## PUBLIC SPEAKING

- 1 *Principles of Effective Speaking* (3) Yeager  
Short informative and persuasive speeches; delivery practice; pronunciation, enunciation, and diction; impromptu speaking. Speech recordings are required. Nine weeks' term; daily except Sat., 5:10 P.M. (Room: D-301).

## ROMANCE LANGUAGES

## FRENCH

- 1-2 *First-Year French* (3-3) Deibert  
Grammar, translation, pronunciation. Second half begins July 18. Nine weeks' term; daily except Sat., 6:10 to 8:00 P.M. (Room: D-204).
- 5-6 *Second-Year French* (3-3) Protzman  
Reading of modern French; grammar review; oral practice. Second half begins July 18. Nine weeks' term; daily except Sat., 6:10 to 8:00 P.M. (Room: D-203).

- 115-16 *Survey of French Literature from the Seventeenth to the Twentieth Century* (3-3) Keating  
Prerequisite: French 5-6. Nine weeks' term; daily except Sat., 6:10 to 8:00 P.M. (Room: D-208).

SPANISH

- 1-2 *First-Year Spanish* (3-3) Alonso  
Grammar, translation, pronunciation. Second half begins July 18. Nine weeks' term; daily except Sat., 6:10 to 8:00 P.M. (Room: D-301).
- 5-6 *Second-Year Spanish* (3-3) Doyle and Corliss  
Reading of modern Spanish; grammar review; oral practice. Second half begins July 18. Nine weeks' term.  
Section A: daily except Sat., 9:30 to 11:20 A.M. (Room: D-207).  
Section B: daily except Sat., 6:10 to 8:00 P.M. (Room: D-207).

SOCIOLOGY

- 17 *Organization of Society* (3) Wells  
The origin, early development, and present organization of society. Nine weeks' term; daily except Sat., 7:30 A.M. (Room: D-300).
- 28 *Problems of Society* (3) Wells  
Geographic and population problems; psycho-physical problems; problems of race and nativity, of social institutions, and of crime and delinquency. Nine weeks' term; daily except Sat., 8:30 A.M. (Room: D-300).
- 121 *Educational Sociology* (2) Wells  
The relation of the school to the community; school culture; educational forces outside the school; social control in the school; socializing the curriculum. Opportunity to earn three semester-hours of credit may be arranged. Six weeks' term; daily except Sat., 5:10 P.M. (Room: D-300).

STATISTICS

- 101-2 *Economic and Sociological Statistics* (3-3) Weida  
Prerequisite: at least one entrance unit in Algebra. Students desiring to register for one-half only of this course

must obtain permission from the instructor. Second half begins July 18. Material fee, \$3 for each half. Nine weeks' term; daily except Sat., 6:10 to 8:00 P.M. (Room: D-200).

- 135 *Statistics in Psychology and Education* (3) Weida  
Prerequisite: at least one entrance unit in Algebra. Nine weeks' term; daily except Sat., 5:10 P.M. (Room: D-200).

## ZOOLOGY

- 1-2 *Introduction to Zoology* (4-4) Mortensen  
An introduction to the study of the structures, functions, and relation of animals and of the fundamental biological principles involved. Second half begins July 18. Material fee, \$4.50 for each half. Nine weeks' term; daily except Sat., 5:10 to 6:00 and 6:10 to 9:00 P.M. Required of all premedical students (Room: C-204).

- 5-6 *Field Zoology* (3-3) Hansen  
Collecting trips and laboratory studies of the animals from various localities about Washington. The course is designed to give first-hand information about habitats, life histories, animal identification, and basic anatomy. This course will satisfy the Junior College requirement in science for admission to Columbian College. Second half begins July 18. Material fee, \$4.50 for each half. Nine weeks' term; daily except Sat., 7:00 to 8:50 A.M. and Sat. afternoon (Room C-310).

- 141 *Comparative Vertebrate Anatomy* (3) Hansen  
Lectures on the organ systems of the vertebrates, stressing comparisons, apparent relationships, and modifications; laboratory dissection of types. Prerequisite: Zoology 1-2. Material fee, \$6.00. Six weeks' term; daily except Sat., 6:10 to 7:00 and 7:10 to 9:00 P.M. (Room: C-204).

- 253 *Research* (3) Hansen and Mortensen  
Investigation of special problems. Nine weeks' term; hours to be arranged (Room: C-303).



## SCHEDULE OF COURSES

For courses in Law consult the department announcement.  
Note seminars and research courses for which hours are to be arranged, listed under department announcements.

### NINE WEEKS' TERM

June 17-August 16

7:00-8:50 A.M.

Zoology 5-6, *Field Zoology* (3-3)

7:30-8:20 A.M.

Bus. Admin. 115, *Business Finance* (3)

Econ. 175, *Economic Fluctuations* (3)

Hist. 144, *Europe Since 1914* (3)

Phys. Ed. for Men 47, *Introduction to Physical Education* (2)

Soc. 27, *Organization of Society* (3)

8:30-9:20 A.M.

Chem. 11-12, *General Chemistry* (4-4), until 1:20 P.M.

Chem. 141-42, *Organic Chemistry* (4-4), until 1:20 P.M.

Eng. 51, *Introduction to English Literature* (3)

Hist. 40, *The Development of European Civilization Since 1789* (3)

Psych. 1, *General Psychology* (3)

Phys. Ed. for Men 41-42, *Administration of Community Recreational Programs* (2-2)

Soc. 28, *Problems of Society* (3)

Zoology 5-6, *Field Zoology* (3-3), 7:00-8:50 A.M.

9:30-10:20 A.M.

Chem. 11-12, *General Chemistry* (4-4), 8:30 A.M.-1:20 P.M.

Chem. 21, *Inorganic Qualitative Analysis* (4), until 12:30 P.M.

- Chem. 121, *Inorganic Quantitative Analysis* (4), until 1:20 P.M.  
 Chem. 141-42, *Organic Chemistry* (4-4), 8:30 A.M.-1:20 P.M.  
 Econ. 1-2, *Introductory Economics* (3-3), until 11:20 A.M.  
 Eng. 1-2, *Freshman English* (3-3), until 11:20 A.M.  
 German 1-2, *First-Year German* (1-3), until 11:20 A.M.  
 Spanish 5-6, *Second-Year Spanish* (3-3), until 11:20 A.M.

10:30-11:20 A.M.

- Chem. 11-12, *General Chemistry* (4-4), 8:30 A.M.-1:20 P.M.  
 Chem. 21, *Inorganic Qualitative Analysis* (4), 9:30 A.M.-12:30 P.M.  
 Chem. 121, *Inorganic Quantitative Analysis* (4), 9:30 A.M.-1:20 P.M.  
 Chem. 141-42, *Organic Chemistry* (4-4), 8:30 A.M.-1:20 P.M.  
 Econ. 1-2, *Introductory Economics* (3-3), 9:30-11:20 A.M.  
 Eng. 1-2, *Freshman English* (3-3), 9:30-11:20 A.M.  
 German 1-2, *First-Year German* (3-3), 9:30-11:20 A.M.  
 Spanish 5-6, *Second-Year Spanish* (3-3), until 11:20 A.M.

11:30 A.M.-12:20 P.M.

- Chem. 11-12, *General Chemistry* (4-4), 8:30 A.M.-1:20 P.M.  
 Chem. 21, *Inorganic Qualitative Analysis* (4), 9:30 A.M.-12:30 P.M.  
 Chem. 121, *Inorganic Quantitative Analysis* (4), 9:30 A.M.-1:20 P.M.  
 Chem. 141-42, *Organic Chemistry* (4-4), 8:30 A.M.-1:20 P.M.  
 Eng. 52, *Introduction to English Literature* (3)  
 Hist. 39, *The Development of European Civilization to 1789* (3)  
 Pol. Sc. 9, *Government of the United States* (3)

12:30-1:20 P.M.

- Chem. 11-12, *General Chemistry* (4-4), 8:30 A.M.-1:20 P.M.  
 Chem. 121, *Inorganic Quantitative Analysis* (4), 9:30 A.M.-1:20 P.M.  
 Chem. 141-42, *Organic Chemistry* (4-4), 8:30 A.M.-1:20 P.M.

5:10-6:00 P.M.

- Botany 5, *Field Botany* (6), until 7 P.M. and Sat. afternoon  
 Bus. Admin. 101, *Business Organization and Control* (3)

- Econ. 110, *Economic Geography* (3)  
 Econ. 177, *Advanced Economic Theory* (3)  
 Eng. 142, *The Neoclassical Movement* (3)  
 Eng. 176, *The American Novel* (3)  
 Hist. 71, *The Development of American Civilization to 1865* (3)  
 Math. 12, *Plane Analytic Geometry* (3)  
 M.E. 5 (See "Engineering"), *Introductory Naval Architecture* (5)  
 Physics 12, *Electricity and Magnetism* (3)  
 Pol. Sc. 9, *The Government of the United States* (3)  
 Pol. Sc. 112, *The New Governments of Europe* (3)  
 Psych. 1, *General Psychology* (3)  
 Psych. 2, *Applied Psychology* (3)  
 Psych. 143, *Personnel Psychology in the Public Service* (3)  
 Pub. Spg. 1, *Principles of Effective Speaking* (3)  
 Stat. 135, *Statistics in Psychology and Education* (3)  
 Zoology 1-2, *Introduction to Zoology* (4-4), until 9:00 P.M.

6:10-7:00 P.M.

- Botany 5, *Field Botany* (6), 5:10-7:00 P.M. and Sat. afternoon  
 Bus. Admin. 51-52, *Principles of Accounting* (3-3), until 8:00 P.M.  
 Bus. Admin. 102, *Business Management* (3)  
 Econ. 1-2, *Introductory Economics* (3-3), until 8:00 P.M.  
 Econ. 189, *Exchange Depreciation, Stabilization, and Control* (3)  
 Eng. 1-2, *Freshman English* (3-3), until 8:00 P.M.  
 Eng. 91, *Introduction to European Literature* (3)  
 Eng. 172, *Studies in American Literature* (3)  
 French 1-2, *First-Year French* (3-3), until 8:00 P.M.  
 French 5-6, *Second-Year French* (3-3), until 8:00 P.M.  
 French 115-16, *Survey of French Literature from the Seventeenth to the Twentieth Century* (3-3), until 8:00 P.M.  
 German 1-2, *First-Year German* (3-3), until 8:00 P.M.  
 German 5-6, *Second-Year German* (3-3), until 8:00 P.M.  
 Hist. 72, *The Development of American Civilization Since 1865* (3)  
 Hist. 176, *Representative Americans: A Biographical Approach to National History* (3)



Math. 19-20, *Differential and Integral Calculus* (3-3), 6:10-8:00 P.M.

Math. 132, *Differential Equations* (3)

M.E. 5 (See "Engineering"), *Introductory Naval Architecture* (5)

Philos. 103, *Principles of Philosophy* (3)

Physics 12, *Electricity and Magnetism* (3), Tues. and Thurs., 6:30-8:30 P.M.

Physics 13, *Mechanics, Sound, and Light* (3), Tues. and Thurs., 6:30-8:30 P.M.

Pol. Sc. 10, *Government of the United States* (3)

Pol. Sc. 127, *Commercial Law* (3)

Pol. Sc. 171, *International Politics and Organization* (3)

Psych. 115, *Abnormal Psychology* (3)

Spanish 1-2, *First-Year Spanish* (3-3), until 8:00 P.M.

Spanish 5-6, *Second-Year Spanish* (3-3), until 8:00 P.M.

Stat. 101-2, *Economic and Sociological Statistics* (3-3), 6:10-8:00 P.M.

Zoology 1-2, *Introduction to Zoology* (4-4), 5:10-9:00 P.M.

Zoology 141, *Comparative Vertebrate Anatomy* (3), until 9:00 P.M.

#### 7:10-8:00 P.M.

Bus. Admin. 51-52, *Principles of Accounting* (3-3), 6:10-8:00 P.M.

Econ. 1-2, *Introductory Economics* (3-3), 6:10-8:00 P.M.

Econ. 278, *Economics of Recovery Policy* (3), days to be arranged

Eng. 1-2, *Freshman English* (3-3), 6:10-8:00 P.M.

Eng. 92, *Introduction to European Literature* (3)

French 1-2, *First-Year French* (3-3), 6:10-8:00 P.M.

French 5-6, *Second-Year French* (3-3), 6:10-8:00 P.M.

French 115-16, *Survey of French Literature from the Seventeenth to the Twentieth Century* (3-3), 6:10-8:00 P.M.

German 1-2, *First-Year German* (3-3), 6:10-8:00 P.M.

German 5-6, *Second-Year German* (3-3), 6:10-8:00 P.M.

Math. 19-20, *Differential and Integral Calculus* (3-3), 6:10-8:00 P.M.

Physics 12, *Electricity and Magnetism* (3), Tues. and Thurs., 6:30-8:00 P.M.

Spanish 1-2, *First-Year Spanish* (3-3), 6:10-8:00 P.M.

Spanish 5-6, *Second-Year Spanish* (3-3), 6:10-8:00 P.M.

Stat. 101-2, *Economic and Sociological Statistics* (3-3), 6:10-8:00 P.M.

Zoology 1-2, *Introduction to Zoology* (4-4), 5:10-9:00 P.M.

Zoology 141, *Comparative Vertebrate Anatomy* (3), 6:10-9:00 P.M.

8:10 P.M.

Eng. 251, *Studies in the Romantic Movement* (3), days to be arranged

Hist. 241, *Seminar in Modern European History* (3), Tues. and Thurs., 8:10-10:00 P.M.

Pol. Sc. 281, *Seminar: International Law and Relations* (3), Tues. and Thurs., 8:10-10:00 P.M.

Zoology 1-2, *Introduction to Zoology* (4-4), 5:10-9:00 P.M.

Zoology 141, *Comparative Vertebrate Anatomy* (3), 6:10-9:00 P.M.

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SIX WEEKS' TERM

June 24-August 2

7:30-8:20 A.M.

Educ. 187, *Organization and Administration of Guidance* (2)

8:30-9:20 A.M.

Educ. 138, *The Social Studies in the Elementary School* (2)

Educ. 209, *Seminar: Administration* (3)

Educ. 244, *Seminar: Methods of Teaching High School Latin*

Educ. 253, *Seminar: Course of Study Construction in Secondary Schools* (3)

Eng. 193, *Introduction to the Study of Poetry* (2)

Hist. 130, *Nationalism* (2)

Philos. 132, *Ethics* (2)

9:30-10:20 A.M.

- Educ. 121, *Adjusting the Curriculum to the Exceptional Child* (2)  
 Educ. 217, *Seminar: Contemporary Problems in Education* (3)  
 Educ. 257, *Seminar: Secondary Education* (3)  
 Phys. Ed. for Women 121, *The Health and Physical Education Program in the Elementary School* (2)  
 Psych. 121, *Educational Psychology* (2)

10:30-11:20 A.M.

- Educ. 223, *Seminar: Program Planning in the Elementary Grades* (3)  
 Educ. 230, *Seminar: Supervision of Elementary Education* (3)  
 Educ. 259, *Seminar: Administration of Secondary Education* (3)  
 Eng. 134, *Shakespeare's Principal Plays* (2)  
 Hist. 191, *Current History* (2)  
 Psych. 226, *Seminar: Clinical Psychology of Childhood* (3)

11:30 A.M.-12:20 P.M.

- Educ. 156, *Secondary Education: The Junior High School* (2)  
 Educ. 221, *Seminar: Early Childhood Education* (3)  
 Educ. 225, *Seminar: Elementary Education in the Intermediate Grades* (3)  
 Eng. 167, *Contemporary British Drama* (2)  
 Psych. 228, *Seminar: Techniques of Counseling* (3)

5:10-6:00 P.M.

- Physics 14, *Introduction to Modern Physics* (2)  
 Soc. 121, *Educational Sociology* (2)

6:10-9:00 P.M.

- Zoology 141, *Comparative Vertebrate Anatomy* (3)



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THE  
GEORGE  
WASHINGTON  
UNIVERSITY  
BULLETIN

THE LAW SCHOOL

SUMMER SESSION 1940



WASHINGTON, D. C.

1940

## THE LAW SCHOOL SUMMER SESSION

### THE FACULTY

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law;  
Dean of the Law School*

Walter Lewis Moll, A.B., LL.B., S.J.D., *Professor of Law*

William Thomas Fryer, A.B., LL.B., J.D., *Associate Professor of  
Law*

Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Associate Pro-  
fessor of Law*

Carville Dickinson Benson, Jr., A.B., LL.B., S.J.D., *Associate  
Professor of Law*

James Forrester Davison, A.B., LL.M., S.J.D., *Associate Professor  
of Law*

John Albert McIntire, A.B., LL.B., *Associate Professor of Law*

William Randall Compton, M.B.A., LL.B., S.J.D., *Assistant Pro-  
fessor of Law*

### CALENDAR

The Summer Session will include two terms of six weeks each. Classes in the first term will begin Monday, June 17, and end Friday, July 26. Examinations will be held July 29. Classes in the second term will begin Tuesday, July 30, and end Tuesday, September 10. Examinations will be held September 12.

### RESIDENCE AND ATTENDANCE

The Summer Session is a regular part of the work of the School. Credit is given for subjects completed by regularly qualified students. Residence credit is given for one fifth of a part-time year for attendance in one term of the Summer Session. A part-time year is three fourths of a full-time year and one fourth of the residence requirement for the degree of Bachelor of Laws. In no case will residence credit amounting to more than this be allowed for attendance during the Summer Session.

### ADMISSION

Candidates for degree must have received, before admission, the degree of Bachelor of Arts or an equivalent degree from an approved college or university. The conferring of this degree must be evidenced by proper certificates. Applications for admission are passed upon by the Director of Admissions of the University.

Students in regular standing in other approved law schools may be admitted as unclassified students for the Summer Session only.

Qualified students are permitted to begin the study of Law in the Summer Session.

### REGISTRATION

No student will be registered until proper credentials have been filed and approved. The registration days will be Monday, June 17, for the first term, and Tuesday, July 30, for the second term. A late-registration fee of \$5 will be charged students registering after June 17 for the first term and after July 30, for the second term. No student will be permitted to register after the first week of a term.

### FEES

Fees are as follows: University fee, \$4; tuition fee, for each semester-hour of credit, \$8; late-registration fee, \$5; reinstatement fee, \$5.

Fees for each term are payable in advance at the beginning of the term.

A student who is compelled to withdraw before the end of a term should apply to the Dean of the Law School at once for permission to withdraw. Until this application for withdrawal has been made and approved, the student is treated as still in registration. In case of a withdrawal during a term no refund of fees will be granted.

### HOURS OF INSTRUCTION AND CREDITS

All classes are held in the late afternoon at 5:10 and 6:10 P.M., from Monday to Friday, inclusive.

Students may obtain a maximum of four semester-hours of credit in each term.

Regarding requirements for the degrees, see the Law School announcement.



## COURSES OF INSTRUCTION

(First-year courses, 101-200; second-year courses, 201-300; third-year courses, 301-400.  
Graduate students may take third-year courses not already completed.)

### FIRST TERM

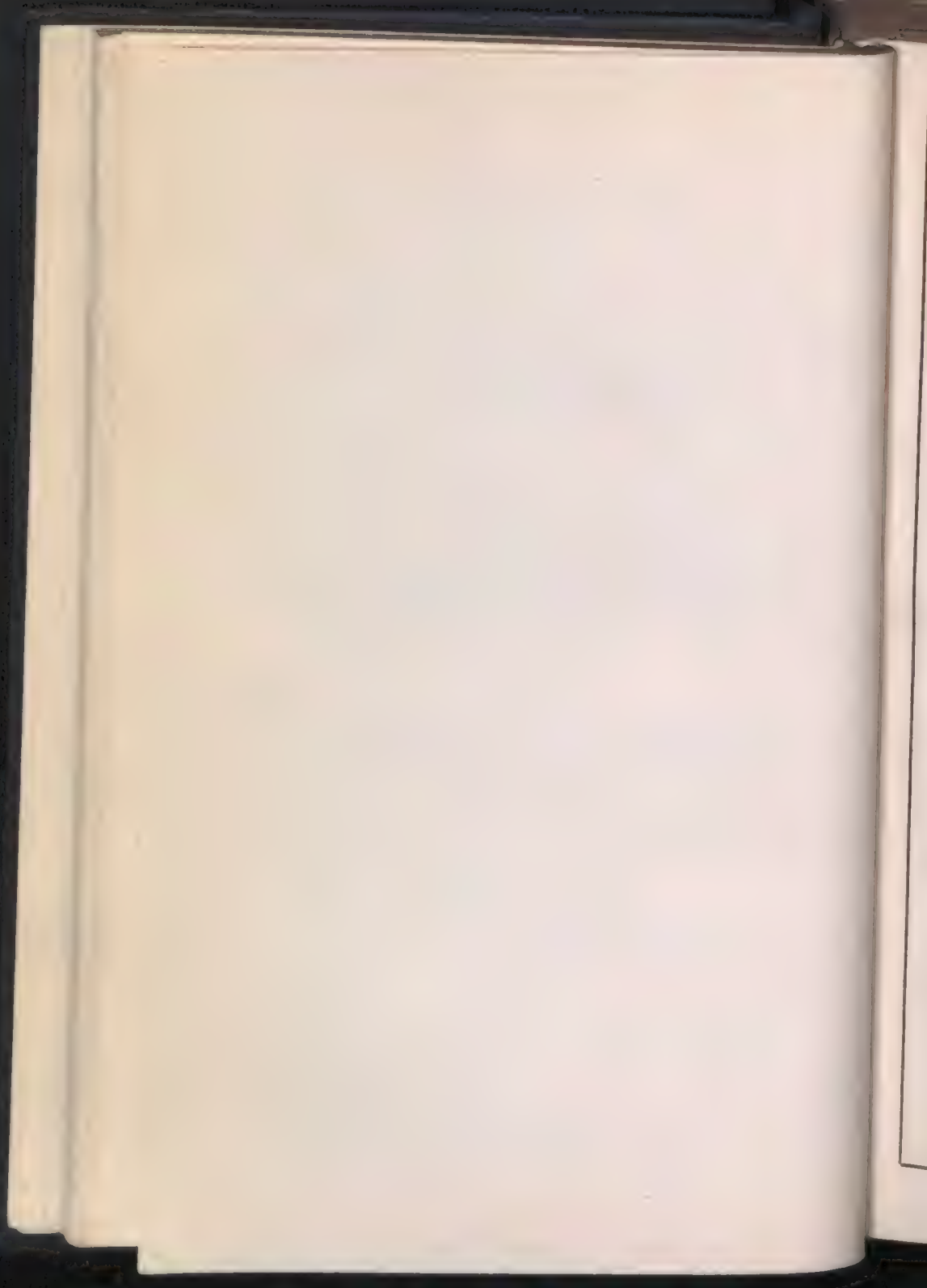
- 129-30 *Judicial Process and the Use of Legal Materials* (4) Benson  
Benson and Fryer, Readings on the Study of Law and the Anglo-American Legal System; Arnold and James. Cases on Trials, Judgments, and Appeals. Daily except Sat., 5:10 to 7:00 P.M. (Room: Sto.-22).
- 261-62 *Sales* (4) Oppenheim  
Williston and McCurdy, Cases on Sales, 1932 ed. Daily except Sat., 5:10 to 7:00 P.M. (Room: Sto.-10).
- 352 *Persons and Domestic Relations* (4) Compton  
Madden and Compton, Cases in Domestic Relations. Daily except Sat., 5:10 to 7:00 P.M. (Room: Sto.-30).
- 315-16 *Conflict of Laws* (4) Van Vleck  
Cheatham, Dowling and Goodrich, Cases on Conflict of Laws. Daily except Sat., 5:10 to 7:00 P.M. (Room: Sto.-21).

### SECOND TERM

- 133-34 *Property I* (4) Fryer  
Bohlen, Appendix to Cases on Conversion, 3d ed., 1933, with supplementary materials; Fryer, Readings on Personal Property, 3d ed., 1938. Daily except Sat., 5:10 to 7:00 P.M. (Room: Sto.-22).
- 202 *Agency* (4) McIntire  
(Case book to be announced.) Daily except Sat., 5:10 to 7:00 P.M. (Room: Sto.-10).
- 353 *Public Utilities* (2) Davison  
Welch et al., Cases on Public Utility Regulation. Mon. and Thurs., 5:10 to 7:00 P.M., Wed., 5:10 P.M. (Room: Sto.-30).
- 326 *Federal Jurisdiction* (2) Davison  
Frankfurter and Shulman, Cases on Federal Jurisdiction. Tues. and Fri., 5:10 to 7:00 P.M., Wed., 6:10 P.M. (Room: Sto.-30).
- 381-82 *Trusts* (4) Moll  
Scott, Cases on Trusts, 2d ed. Daily except Sat., 5:10 to 7:00 P.M. (Room: Sto.-21).

THE CATALOGUE ISSUE

1940-41



THE  
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WASHINGTON  
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BULLETIN

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VOL. XXXIX

No. 2

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THE CATALOGUE ISSUE

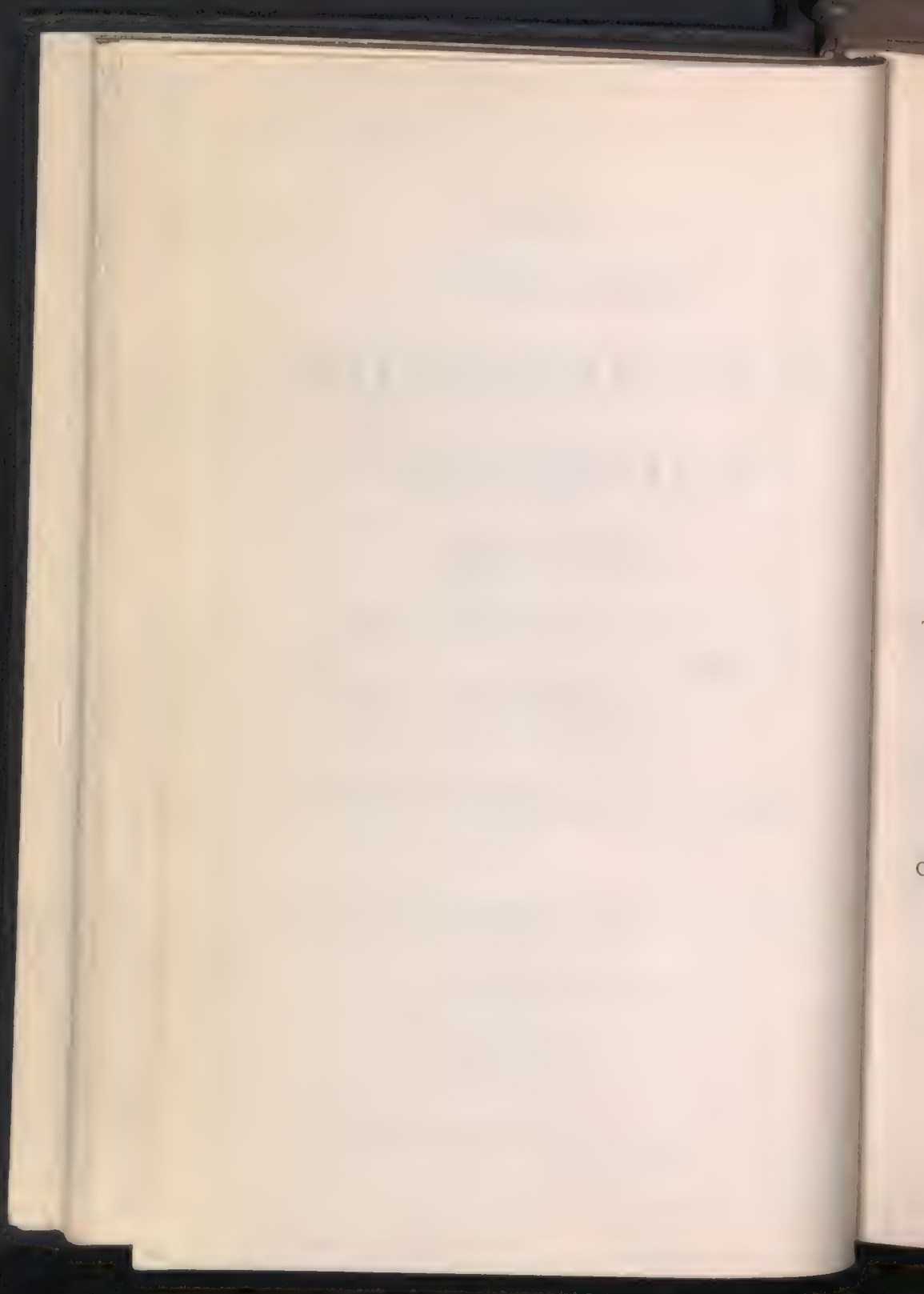
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WASHINGTON, D. C.

PUBLISHED IN APRIL  
MCMXL

BY THE UNIVERSITY





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THE UNIVERSITY CALENDAR



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13	14	15	16	17	18	19								13	14	15	16	17	18	19								12	13	14	15	16	17	18				
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27	28	29	30	31	..	..								27	28	29	30	..	..	..								26	27	28	29	30	31	..				
November													May													November												
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17	18	19	20	21	22	23								18	19	20	21	22	23	24								16	17	18	19	20	21	22				
24	25	26	27	28	29	30								25	26	27	28	29	30	31								23	24	25	26	27	28	29				
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December													June													December												
1	2	3	4	5	6	7								1	2	3	4	5	6	7								..	1	2	3	4	5	6				
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15	16	17	18	19	20	21								15	16	17	18	19	20	21								14	15	16	17	18	19	20				
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29	30	31	..	..	..	..								29	30	..	..	..	..	..								28	29	30	31	..	..	..				

# THE UNIVERSITY CALENDAR

1940-41

Date	Day	Occasion
1940:		
September 16.....	Monday .....	Meeting of the University Faculty Scholastic-aptitude tests for entering freshmen
September 17.....	Tuesday .....	Examinations for students who wish to qualify for advanced courses
September 18.....	Wednesday .....	Preession examinations in the School of Medicine
*September 19-21...	Thursday to Saturday, both dates inclusive	Registration for entering freshmen only
September 23.....	Monday .....	Registration period for the first semester for all students except entering freshmen
October 5.....	Saturday .....	Academic year begins
		Foreign-language examinations for candidates for the degree of Master of Arts
		Last day for registration for credit for the first semester
		Last day on which candidates may file thesis subjects for the degree of Master of Arts to be conferred in February
October 10.....	Thursday .....	Stated meeting of the Board of Trustees
October 26.....	Saturday .....	Last day on which candidates may file thesis subjects for the degrees of Doctor of Philosophy and Doctor of Education to be conferred the following June
November 4.....	Monday .....	Meeting of the Academic Council
November 11.....	Monday .....	Armistice Day. Holiday
November 21-23...	Thursday to Saturday, both dates inclusive	Thanksgiving recess
December 12.....	Thursday .....	Stated meeting of the Board of Trustees
December 16.....	Monday .....	Meeting of the Academic Council
December 23-January 4	Monday to Saturday, both dates inclusive	Christmas recess
1941:		
January 6.....	Monday .....	Classes resumed
		Last day for applications for degrees and Junior Certificates to be conferred in February
		Last day for receiving theses of candidates for the degrees of Doctor of Philosophy and Doctor of Education to be conferred in February.

\* Beginning September 16, Monday, members of the Faculty will keep office hours for the benefit of those who wish to consult about educational programs.

## THE UNIVERSITY CALENDAR—Continued

Date	Day	Occasion
January 13-21....	Monday to Tuesday, both dates inclusive	Preregistration period for the second semester
January 22.....	Wednesday .....	Last day of classes for the first semester
January 25-February 1 .....	Saturday to Saturday, both dates inclusive	Midyear examination period
January 27.....	Monday .....	Last day for receiving theses of candidates for the degree of Master of Arts to be conferred in February
February 3.....	Monday .....	Meeting of the University Faculty Scholastic-aptitude tests for entering freshmen Examinations for students who wish to qualify for advanced courses
February 4.....	Tuesday .....	Registration for entering freshmen only
February 5-6.....	Wednesday and Thursday	Registration period for the second semester for all students except entering freshmen
February 7.....	Friday .....	Classes resumed for the second semester
February 8.....	Saturday .....	Foreign-language examinations for candidates for the degree of Master of Arts
February 13.....	Thursday .....	Stated meeting of the Board of Trustees
February 21.....	Friday .....	Last day for registration for credit for the second semester Last day on which candidates may file thesis subjects for the degree of Master of Arts to be conferred in June
February 22.....	Saturday .....	Winter Convocation. Holiday
March 1.....	Saturday .....	Applications for fellowships for 1941-42 should be filed
March 10.....	Monday .....	Meeting of the Academic Council
March 13.....	Thursday .....	Stated meeting of the Board of Trustees
April 11-16.....	Friday to Wednesday, both dates inclusive	Easter recess
April 14.....	Monday .....	Pan American Day. Special Convocation
April 24.....	Thursday .....	Last day for receiving theses of candidates for the degrees of Doctor of Philosophy and Doctor of Education to be conferred in June Last day on which candidates may file thesis subjects for the degrees of Doctor of Philosophy and Doctor of Education to be conferred the following February



THE UNIVERSITY CALENDAR—Continued

Date	Day	Occasion
April 28.....	Monday .....	Meeting of the Academic Council
May 2.....	Friday .....	Last day for applications for degrees and Junior Certificates to be conferred in June
May 3.....	Saturday .....	Foreign-language examinations for candidates for the degree of Master of Arts
May 15.....	Thursday .....	Applications for scholarships for 1941-42 should be filed Last day for receiving theses of candidates for the degree of Master of Arts and for the professional degrees in Engineering to be conferred in June
May 21-June 7...	Wednesday to Saturday, both dates inclusive	Final examination period in the Law School
May 24.....	Saturday .....	Last day of classes for the second semester
May 28-June 7...	Wednesday to Saturday, both dates inclusive	Final examination period in all Colleges, Schools, and Divisions except the Law School
May 29.....	Thursday .....	Annual meeting of the Board of Trustees
May 30.....	Friday .....	Memorial Day. Holiday
June 8.....	Sunday .....	Baccalaureate Sermon
June 11.....	Wednesday .....	Commencement
June 16.....	Monday .....	Instruction begins in the nine weeks' term in the Summer Sessions Instruction begins in the first summer term of the Law School
June 23.....	Monday .....	Instruction begins in the six weeks' term in the Summer Sessions
July 4.....	Friday .....	Independence Day. Holiday
July 28.....	Monday .....	First summer term in the Law School ends
July 29.....	Tuesday .....	Second summer term in the Law School begins
August 1.....	Friday .....	Six weeks' summer term ends in all Colleges, Schools, and Divisions except the Law School
August 15.....	Friday .....	Nine weeks' summer term ends in all Colleges, Schools, and Divisions except the Law School
September 11.....	Thursday .....	Second summer term in the Law School ends
September 17-20..	Wednesday to Saturday, both dates inclusive	Registration period for the first semester of the academic year 1941-42





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OF THE UNIVERSITY



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Charles Riborg Mann, Ph.D., Sc.D.; 744 Jackson Place  
Walter Rupert Tuckerman, A.B., LL.B.; 1721 H Street  
Chester Wells, B.S., Graduate United States Naval War College; Jones Mill Road, Chevy Chase, Maryland

1942

Harry Cassell Davis, A.M., L.H.D.; 1921 Kalorama Road  
\*George Edgar Fleming, LL.M.; Union Trust Company  
Charles William Gerstenberg, LL.B.; 70 Fifth Avenue, New York City

\* Nominated by the alumni.



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419 Federal Building, Cleveland, Ohio

Gilbert Grosvenor, A.M., LL.D., Litt.D.; National Geographic Society

Alfred Henry Lawson, LL.B.; Washington Loan and Trust Company

Theodore Williams Noyes, A.M., LL.M., LL.D.; 1730 New Hampshire Avenue

\*Luther Halsey Reichelderfer, M.D., LL.D.; 1661 Crescent Place  
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Wood Gray

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Douglas Bement

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Ira Bowers Hansen

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Alfred Ennis

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The Dean of the School



*The George Washington University*

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The Dean of the School of Medicine  
The Dean of the Law School  
The Dean of the School of Engineering  
The Dean of the School of Pharmacy  
The Dean of the School of Education  
The Dean of the School of Government  
The Dean of University Students  
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Two Student Members



## STAFF OF INSTRUCTION

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# Staff of Instruction

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EDWARD ALEXANDER CAFRITZ, M.D. <i>Clinical Instructor in Surgery</i>	Westchester Apts.
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WILLIAM WILEY CHASE, A.B., M.D. <i>Clinical Instructor in Surgery</i>	1813 Parkside Dr.
ALAN JEFFRIES CHENERY, M.D. <i>Associate in Urology</i>	4330 Forest Lane
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Helen Newman, LL.M., *Law Librarian*  
Betty Hill Reavis, A.M., *Assistant Librarian*  
Mason Tolman, A.M., B.S. in L.S., *Assistant Librarian*  
Isabella Frances Young, A.B., *Assistant Librarian, Medical Library*  
Georgeanna Hild, A.B., B.S. in L.S., *Cataloguer*  
Anne Von Ammon, *Assistant*  
Anna Virginia Appich, *Secretary to the Librarian*

OFFICE OF THE BUSINESS MANAGER

Allan Randolph Poore, *Assistant to the Business Manager*  
Agnes Jasper, *Secretary to the Business Manager*  
Jack Albert Jones, *Superintendent of Building Maintenance*  
Lilian Wright Smith, *Garden Specialist*  
George Dewey Eckert, *Supervisor of Building Repairs*  
Vincent James DeAngelis, B.S., *Supervisor of Stores*  
Anice Lee Cecil, *Clerk in the Duplicating Bureau*

OFFICE OF THE COMPTROLLER

Ethel Beiswanger Ball, *Disbursing Clerk*  
Albert Eldridge Smith, B.C.S., *Accountant*  
Daniel John Tyrrell, *Cashier*  
Dorothy Marie Jones, *Secretary to the Comptroller*  
Evelyn Broadfield Thomas, *Chief Clerk*  
Nettie Pearson Gaither, *Clerk*  
Charles George Ruhl, *Clerk*  
Beatrice Elizabeth Coffman, *Clerk*  
John Avis McLaughlin, *Clerk*  
Betty Louise Menefee, *Clerk*  
Harold Jerome Smith, *Clerk*



THE SCHOOL OF MEDICINE

Josephine McKee Green, *Stenographer*  
 Anna Mannevillette Sullivan, A.B., *Stenographer*  
 Rachel Margaret Horak, *Stenographer*  
 Mary Louise Moore, *Stenographer*

THE UNIVERSITY HOSPITAL

Helen Elvira Swanson, *Secretary to the Medical Director*  
 Catherine Elta Nichols, *Bookkeeper*  
 Margaret Smith Greene, *Assistant Bookkeeper*  
 Willa Lillian Murray, A.M., *Social Worker*  
 Eleanor Morrow Schwinn, R.N., *Superintendent of Nurses*  
 Theodosia Victoria Foxwell, S.R.N., *Laboratory Supervisor*  
 Margaret Stack, M.T., *Laboratory Technician*  
 Marie Tenny Woodwell, M.T., *Laboratory Technician*  
 Leopold Henry Forster, Phar.G., *Pharmacist*  
 William Grant Lawson, B.C.S., *X-Ray Technician*  
 Mary Holden Philbrick, *Dietician*  
 Margaret Scruggs French, *Record Librarian*

OFFICE OF THE ALUMNI SECRETARY

Flournoy McQuary, B.S., *Secretary*  
 Hendrik Willem Vietor, *Clerk*

PRESS BUREAU

John Rust Busick, A.B., *Director*  
 \_\_\_\_\_, *Assistant to the Director*  
 Cornelia Frances Harris, *Secretary*

INTERCOLLEGIATE ATHLETICS

William Jennings Reinhart, B.B.A., *Director of Men's Athletics*  
 \_\_\_\_\_, *Assistant Football Coach*  
 Raymond George Hankin, B.S., *Freshman Football Coach*  
 Arthur David Zahn, A.B., *Freshman Basketball Coach*  
 Frank Parsons, Jr., *Rifle Coach*  
 George Albert Lentz, *Trainer*

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EXTRACURRICULAR ACTIVITIES

Robert Howe Harmon, A.B., M.D., *Director of the Glee Clubs*

Grace Ruble Harmon, *Associate Director of the Glee Clubs*

Leon Brusiloff, *Director of the University Band*

Jessie Ramsay Lee, *Hostess in the Hattie M. Strong Residence Hall  
for Women*

Nell Bratt Buckley, A.B., *Hostess in Sorority Hall*



THE UNIVERSITY





## HISTORY AND ORGANIZATION

### HISTORY

The idea of a university located in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and who in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government".

It was George Washington's hope that the "General Government" would extend toward such an institution "a fostering hand". No steps were taken by Congress to carry out the provision of Washington's will, and the stock that he had bequeathed for the establishment of a university in the District of Columbia became valueless owing to the failure of the Potomac Canal properties.

Meanwhile, however, a movement was started by private persons under the leadership of Luther Rice to establish an institution of higher learning at the seat of the National Government for the education of the Baptist ministry and to afford general collegiate training. In 1819 an association was formed by Luther Rice, Obadiah B. Brown, Spencer H. Cone, and Enoch Reynolds for the purpose of raising funds to buy land for the use of the college.

A group of the Nation's leaders who were especially interested in Washington's idea became patrons of the college and contributed to funds raised for the purchase of land and erection of buildings. Among them were James Monroe, President of the United States; William H. Crawford, Secretary of the Treasury; John C. Calhoun, Secretary of War; William Wirt, Attorney General; Return J. Meigs, Postmaster General; and thirty-two members of the Congress.

Legally to implement the college a petition was made to Congress for the incorporation of "the General Convention of the Baptist Denomination in the District of Columbia for evangelical and literary purposes". This petition was denied by Congress, on April 26, 1820, because of its sectarian character.

Failing to secure a denominational charter, members of the association enlarged their objective to embrace national aims, and with the sponsorship of Government leaders there was presented in Congress a bill for the incorporation of "the Columbian Society for literary purposes", it being proposed to realize in this way "the aspirations of

Washington, Jefferson and Madison for the erection of a university at the seat of the federal government".

Acting upon this second petition, on February 9, 1821, Congress chartered Columbian College in the District of Columbia, inserting in the charter by special action the provision "That persons of every religious denomination shall be capable of being elected Trustees; nor shall any person, either as President, Professor, Tutor or pupil, be refused admittance into said College or denied any of the privileges, immunities or advantages thereof, for or on account of his sentiments in matters of religion".

Thus Columbian College in the District of Columbia was chartered by Congress as one of the early nonsectarian institutions of higher learning in the United States, under the distinguished favor of President James Monroe and members of his Cabinet.

A tract of approximately forty-seven acres, "extending about one-half miles northwest of Boundary Street (Florida Avenue) between 14th and 15th Streets", was purchased, and by 1822 the main building was completed sufficiently to use.

Two years later, when the first Commencement was held on December 15, 1824, Congress and the Supreme Court adjourned their sessions to enable their members to attend the exercises. President Monroe, John Quincy Adams, John C. Calhoun, Henry Clay, and the Marquis de Lafayette headed the eminent company in attendance.

The School of Medicine, established in 1821, was formally opened in 1825 and has been in continuous operation since that time. The Law School, organized in 1826, was discontinued the following year, and was reestablished in 1865. It is the oldest law school in Washington.

By an act of Congress of March 3, 1873, the name of the college was changed to "Columbian University", in recognition of the enlarged scope of the institution. The following year the University was moved from its first location on "College Hill", now Columbia Heights, to the new University Hall built for it at Fifteenth and H Streets. Near-by buildings accommodated the School of Medicine.

For a period of six years, from 1898 to 1904, the University was placed under control of the Baptist Denomination. In 1904 an act restoring the original secular character of the University and authorizing change of name to The George Washington University was passed by Congress.

Subsequently all the Colleges, Schools, and Divisions of the University except the School of Medicine, which is situated on H Street between Thirteenth and Fourteenth Streets NW., were brought together at the present location in the city block bounded by Twentieth, Twenty-first, G, and H Streets NW., and in the blocks adjacent.



In 1930 a new plan of academic organization for the liberal arts work was effected. The Junior College was established, comprising the work of the freshman and sophomore years. The junior and senior years were retained in Columbian College, which was designated the senior college of letters and sciences. As a further step, the year of study leading to the Master's degree was separated from the graduate work for the Doctor's degree and assigned to Columbian College. The Graduate Council was organized to administer the work for the degree of Doctor of Philosophy. These innovations were accompanied by the establishment of a carefully controlled independent study plan, the grouping of departments of instruction under the divisional type of organization, and the institution of a new plan of administration both for the undergraduate major and for the Master's work.

#### THE COLLEGES, SCHOOLS, AND DIVISIONS

The George Washington University offers courses in twelve Colleges, Schools, and Divisions, as follows: the Junior College; Columbian College, the senior college of letters and sciences; the Graduate Council; the School of Medicine; the Law School; the School of Engineering; the School of Pharmacy; the School of Education; the School of Government; the Division of University Students; the Inter-American Center; and the Summer Sessions.

#### ACADEMIC STATUS

The George Washington University is on the approved list of the Association of American Universities, the standard accrediting body for the United States. This fact not only assures to students the academic standards of this accrediting body, but is important also to those who desire to transfer credits from one institution to another.

The University is also accredited by its regional accrediting agency, the Middle States Association of Colleges and Secondary Schools, and is on the approved list of the American Association of University Women.

The Law School is a charter member of the Association of American Law Schools and is approved by the Council of Legal Education of the American Bar Association. The School of Medicine is a member of the Association of American Medical Colleges, is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association, and is accredited for all its work by the Combined (Royal) Medical Examining Boards in England. The School of Pharmacy is accredited by the American Council on Pharmaceutical Education and is a member of the American Association of Colleges of Pharmacy.



## LOCATION

The George Washington University is located in the heart of the city of Washington, a short distance from the Potomac River and the Mall. Within a few blocks are the White House and the offices of many of the departments of the Government, including the Department of State, the Department of the Treasury, the Department of War, the Department of Justice, the Department of the Navy, the Department of the Interior, the Department of Agriculture, the Department of Commerce, and the Department of Labor. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are also near by, and the Capitol and the Library of Congress can be reached by streetcar in twenty minutes from any of the University buildings.

## GOVERNMENT

The government and general educational management of The George Washington University are vested in a self-perpetuating Board of Trustees, with the President of the University as member *ex officio*. The members of the Board are named for a period of three years and are divided into three classes. The members of one class are elected at each annual meeting to fill the places of the members whose terms of office expire. Two members of each class are nominated by the Alumni Association. The charter provides that "persons of every religious denomination shall be capable of being elected Trustees".

## ENDOWMENT

The endowment of The George Washington University is \$2,339,408.55. This figure does not include funds temporarily functioning as endowment nor the value of buildings, grounds, and equipment.

## INSTRUCTIONAL ORGANIZATION

The instructional organization of Columbian College and the Graduate Council is contained in the divisions. The divisional and departmental officers administer the educational requirements for students majoring within the divisions.

The divisions are as follows: (1) *the Division of Languages and Literatures*, which comprises the Departments of Classical Languages and Literatures, English, Germanic Languages and Literatures, and Romance Languages and Literatures; (2) *the Division of Mathematics and the*

*Physical Sciences*, which comprises the Departments of Biochemistry, Chemistry, Mathematics, Pharmacology, Physics, and Statistics; (3) *the Division of the Natural Sciences*, which comprises the Departments of Anatomy, Bacteriology, Biology, Botany, Geology, Neurology, Pathology, Physiology, Psychology, and Zoology; (4) *the Division of the Social Sciences*, which comprises the Departments of Business Administration, Economics, Education, History, Journalism, Law, Philosophy, Political Science, Public Speaking, and Sociology.

## EDUCATIONAL FACILITIES

### BUILDINGS

Buildings, grounds, and equipment are valued at approximately \$6,000,000.

The buildings of the Junior College, Columbian College, the Graduate Council, the Law School, the School of Engineering, the School of Pharmacy, the School of Education, the School of Government, and the Division of University Students are grouped in the vicinity of Twenty-first and G Streets NW. The School of Medicine, the University Hospital, and the Dispensary are situated at Fourteenth and H Streets NW. The buildings of the University are as follows:

Art Studio, 2131 G Street. Offices and studios of the Department of Art.

Corcoran Hall, 725 Twenty-first Street. Named in honor of the late William W. Corcoran, benefactor of the University and a former member of the Board of Trustees. Business offices of the University; offices of the School of Pharmacy; the School of Engineering; the Chemistry, Electrical Engineering, Pharmacy, and Physics laboratories; classrooms.

Faculty Club House, 714 Twenty-first Street.

Gymnasium, 2010-12 H Street.

Hall of Government, 710 Twenty-first Street. The gift of Mrs. Henry Alvah Strong, Trustee of the University. Offices of the School of Government; of the Departments of Business Administration, Economics, History, and Political Science.

Hospital and Dispensary, 1339 H Street.

International House, 2121 G Street. Offices of the Adviser to Students from Foreign Countries and the Director of the Inter-American Center; club rooms.

Mechanical Engineering Building, 735 Twenty-first Street. Offices of the School of Engineering; Engineering testing laboratories, general laboratories, drafting rooms, and classrooms.

Office of the President, 2003 G Street.

School of Medicine, 1335 H Street. Offices of the Staff of the School of Medicine; Anatomy, Bacteriology, Biochemistry, Histology and Embryology, Pathology, Pharmacology, and Physiology laboratories; the Medical Library; lecture rooms; classrooms; students' rooms.

Sorority Halls:

2129 G Street. Apartments of Pi Beta Phi, Sigma Kappa, Phi Mu, Alpha Delta Pi, Delta Zeta, Zeta Tau Alpha, and Kappa Kappa Gamma sororities.

802 Twenty-first Street. Apartments of Chi Omega, Kappa Delta, Phi Sigma Sigma sororities.

Stockton Hall, 720 Twentieth Street. Named in honor of the late Rear Admiral Charles Herbert Stockton, President of the University from 1910 to 1918. Offices, library, and lecture halls of the Law School.

Strong Residence Hall for Women, 620 Twenty-first Street. Named in honor of the donor, Mrs. Henry Alvah Strong.



**University Library, 2023 G Street.** The gift of Abram Lisner, late Trustee of the University. The Library: rooms of the Board of Trustees and the Graduate Council.

**Woodhull Building, 2033 G Street.** Named in honor of the late General Maxwell Van Zandt Woodhull, Trustee of the University and donor of the building. Offices of the Director of Personnel Guidance, the Chairman of the Committee on Student Life, the Alumni Secretary: University Women's Club.

**Building A, 2026 G Street.** Offices of the Departments of Geology and Romance Languages.

**Building B, 2024 G Street.** Laboratories and classrooms of the Department of Home Economics.

**Building C, 2029 G Street.** Offices of the Registrar, the Director of Admissions, the Dean of the Junior College, and the Dean of Columbian College; offices and laboratories of the Departments of Biology, Botany, and Zoology; the Student Club; classrooms.

**Building D, 2013 G Street.** Office of the Dean of University Students; offices of the Departments of Classical Languages, English, Germanic Languages, Mathematics, Philosophy, Psychology, Public Speaking, Sociology, and Statistics; classrooms.

**Building F, 700 Twentieth Street.** Offices of the Dean of the School of Education, the Department of Education, the Dean of the Summer Sessions, and the Director of the Press Bureau.

**Building G, 712 Twentieth Street.** Offices of the University Physician for Women and of the Department of English.

**Building H, 714-16 Twentieth Street.** Offices and locker rooms of the Department of Physical Education for Women.

### THE UNIVERSITY LIBRARY

The University Library contains more than 125,000 volumes. The well equipped six-story Library building, which was opened in September 1939, houses all of the library except the law and medical collections. The Library includes, in addition to the general collection, the library of the late Professor Richard Heinzel, of the University of Vienna, which contains 7,200 books and pamphlets on Germanic philology and literature and cognate branches; the library of the late Professor Curt Wachsmuth, of the University of Leipzig, which contains 7,900 books and pamphlets on Greek and Roman literature, archeology, and history; the Mount Vernon Alcove, which contains 4,000 volumes on political history, international law, and the social sciences; a representative collection of Spanish American books, the gift of the governments of Hispanic America; the Chauncey Mitchell Depew Public Speaking Library of approximately 500 volumes, the gift of Mrs. Chauncey M. Depew; and the Art Collection, which contains over 2,000 volumes, mainly on architecture, and the Russell Sturgis collection of 7,500 mounted photographs. About 1,000 of the last-named volumes constitute a collection made available by the American Institute of Architects, to whom the collection is always accessible.



## OTHER LIBRARY FACILITIES

Students have access also to the Library of Congress; the Public Library of the District of Columbia and its branches; the Library of the Carnegie Endowment for International Peace; the Library of the Pan American Union; the Library of the Bureau of Railway Economics; the Library of the United States Department of Agriculture, with its scientific departmental collections; the Library of the United States Office of Education; the Army Medical Library; the Library of the Smithsonian Institution; and many of the other great special collections of the government departments.

## GOVERNMENTAL INSTITUTIONS ACCESSIBLE TO STUDENTS

In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

*Resolved by the Senate and House of Representatives of the United States of America, in Congress assembled, That the facilities for research and illustration in the following and any other Governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:*

- One. Of the Library of Congress.
- Two. Of the National Museum.
- Three. Of the Patent Office.
- Four. Of the Bureau of Education.
- Five. Of the Bureau of Ethnology.
- Six. Of the Army Medical Museum.
- Seven. Of the Department of Agriculture.
- Eight. Of the Fish Commission.
- Nine. Of the Botanic Gardens.
- Ten. Of the Coast and Geodetic Survey.
- Eleven. Of the Geological Survey.

## ADMISSION

All departments of the University accept men and women.

Students may enter any College, School, or Division of the University except the School of Medicine and the Law School at the beginning of either semester or either of the summer terms. Entrance to the School of Medicine is permitted only at the beginning of the first semester of the academic year. Entrance to the Law School is permitted at the beginning of either semester and at the beginning of the first summer term.

### GENERAL ADMISSION REQUIREMENTS

The following factors are considered in determining the eligibility of an applicant for admission:

1. The adequacy of previous academic work as preparation for the course of study now contemplated. This includes the amount and quality of work and the standing of the institution in which it was done.
2. The aptitude of the student if bent upon study for a profession.
3. The character of the student.

The University reserves the right to refuse admission to any student whose previous work has been of such grade as to create doubt of his ability to pursue college work successfully, or who for any other reason deemed adequate by the University would not be a desirable student.

### APPLICATION FOR ADMISSION

A student desiring admission should obtain from the Office of the Director of Admissions an application blank which he should fill out completely and return to the Office of the Director of Admissions.

*To insure prompt action, applications should be filed not later than July 1 for the first semester, January 1 for the second semester, and May 1 for all Summer Sessions.*

*An applicant from a secondary school should request his high school principal to mail directly to the Office of the Director of Admissions a transcript of his secondary school record, which should be recorded on the blank provided by the University.*

*An applicant who has previously attended an institution of higher learning should request the registrar of that institution to mail directly to the Office of the Director of Admissions a transcript of his record. If he has attended more than one such institution he must request the registrar of each institution to send to the Office of the Director of*

Admissions a transcript of his record, *even though credits were not earned*, together with an honorable dismissal from the institution last attended.

## METHODS OF ADMISSION

### FROM SECONDARY SCHOOLS

Applicants from secondary schools may be admitted by certificate or examination.

#### BY CERTIFICATE

A certificate of graduation with a minimum of fifteen "units"\* from an accredited secondary school and the recommendation from the principal of the secondary school that the applicant is prepared to undertake college work will be accepted subject to the following conditions:

1. If the school is accredited by the regional accrediting association, the student must have attained a rank not lower than the fourth fifth of his class.
2. If the school is not listed by the regional accrediting association, but has been accredited by the state accrediting agency, the student shall be required to have attained a rank in the upper two fifths of his class. The Committee on Admission and Advanced Standing may review cases of students in the third or fourth fifth and, when such action is warranted by evidence of progress in the last two years of work, may permit such students to take a special aptitude test, from the results of which the committee will determine the eligibility or ineligibility of these students.

#### BY COLLEGE ENTRANCE BOARD EXAMINATIONS

An applicant for admission who furnishes a certificate of graduation from an unaccredited secondary school shall take the examinations offered by the College Entrance Examination Board. Such applicants must satisfactorily pass these examinations in not less than the prescribed fifteen units, including for curricula other than the pre-medical curriculum, subjects from each of the following fields: English, Foreign Languages, Mathematics, and Science. The exact number of units in each of these fields must be approved by the Director of Admissions.

An applicant for admission who, though a graduate of an accredited secondary school, presents a certificate not acceptable in quality may seek to qualify through passing satisfactorily College Entrance Board examinations in subjects prescribed by the University.

The examinations of the College Entrance Examination Board are held each spring in Washington as well as in other centers. These examinations will be given in Washington at The George Washington

\* A unit represents a year's study in a secondary school subject, including in the aggregate not less than 120 sixty-minute periods of prepared classroom work.



University June 15-22, inclusive, and September 18-22, inclusive, 1940. Applications and fees for the June examinations should reach the College Entrance Examination Board, 431 West 117th Street, New York City, not later than May 20, 1940. For the September examinations, applications and fees should reach the Board in New York City not later than August 26, 1940.

Students planning to take College Entrance Board Examinations should obtain the definitions of requirements in subjects as published by the Board, as well as application forms, prior to the above dates.

#### FROM HIGHER INSTITUTIONS

An applicant for advanced standing is admitted upon the presentation of satisfactory credentials from the institutions of higher learning previously attended. The student must be in good standing as to scholarship and conduct, and must be eligible to return to the previously attended institutions in the semester for which he or she seeks admission to The George Washington University.

If the transcript of record from such an institution includes the record of his secondary school work, it is not necessary for the applicant to have forwarded a separate record directly from the principal of the secondary school. High school work is considered only as fulfilling entrance requirements; it is never credited toward advanced standing.

Properly certified courses of study taken in accredited colleges and universities may, under the rules of the College, School, or Division concerned, be credited toward the requirements of an appropriate curriculum in that College, School, or Division, and applied toward a degree at this University. Course-credits must represent a quality of work above the passing grade of the institution where they were earned in order to be eligible for consideration toward advanced standing. Certain courses completed with satisfactory grade at another college or university may not count at The George Washington University toward a particular degree representing largely required courses.

#### ENTRANCE REQUIREMENTS

##### THE JUNIOR COLLEGE

An applicant for admission to the Junior College may qualify by presenting an acceptable certificate of graduation from an accredited secondary school, or by passing satisfactorily the College Entrance Board examinations in secondary school subjects selected with the approval of the Director of Admissions. (See "Methods of Admission".)

*Distribution of Units for All Curricula except Premedical.*—Except for admission to the premedical curriculum, certification by the principal



that the student has satisfied all curriculum requirements of the school will be accepted in lieu of any prescribed distribution of units. Attention is called, however, to the necessity of completing stated prerequisite studies during the secondary school period for admission to certain curricula. For a statement of the foreign-language requirements, see page 58.

*Distribution of Units for the Premedical Curriculum.*—The several state medical boards govern the granting of licenses to practice; hence their requirements as to high school credits must be met exactly. The fifteen units required must include three in English, two in one foreign language, one in Algebra, one in Geometry, one in History, and one in Science. Eleven of the units offered must be in the above subjects.

#### COLUMBIAN COLLEGE (THE SENIOR COLLEGE) AND THE PROFESSIONAL SCHOOLS (EXCEPT MEDICINE, LAW, AND ENGINEERING)

Two years of Junior College work leading to the Junior Certificate, or the lower-division work in institutions not organized on the junior-senior-college plan, following a specified curriculum, meet the minimum requirements of Columbian College or of the professional school (except Medicine, Law, and Engineering) to which admission is sought. In addition, however, scholarship requirements for admission may be set somewhat higher than those for the Junior Certificate. Thus a selective process of choosing the most promising students may be employed. (Complete information concerning admission requirements may be found in the announcements of the various professional schools.)

#### THE SCHOOL OF MEDICINE

Graduation from the Junior College of this institution or attainment of junior standing in another college or university does not automatically admit to the School of Medicine. (For complete information concerning the admission requirements for the School of Medicine, see pages 96-97.)

#### THE LAW SCHOOL

Candidates for admission must have had conferred upon them the degree of Bachelor of Arts or an equivalent degree by an accredited college or university. (For complete information concerning the admission requirements for the Law School, see pages 106-107.)

#### THE SCHOOL OF ENGINEERING

The School of Engineering admits from high school on certificate as described above under the heading "By Certificate". Twelve of the fifteen units required for entrance must be distributed as follows: three in English, two in one foreign language, two in Algebra, one in Plane Geometry, one half in Solid Geometry, one half in Plane Trigonometry,

one in History, one in Physics, and one in Chemistry. A graduate of an approved high school who does not offer for admission the particular subjects required for the Engineering curriculum, but who does present not less than fifteen acceptable units, may be admitted on condition, if such deficiency in the distribution of units does not exceed two units. If the deficiency is more than two units, it is frequently possible to admit an otherwise qualified student to the Junior College (liberal arts college) as an unclassified student for such period as may be necessary to permit him to make up such units by taking college courses designed for this purpose.

#### CLASSIFICATION OF STUDENTS

##### REGULAR STUDENTS

Regular students are those who have met the entrance requirements for candidacy and are registered for certificates or degrees.

##### UNIVERSITY STUDENTS

Persons of mature age, as specified in the rules of the Division of University Students, may be admitted to that Division to pursue courses for which they have had adequate preparation. In special instances, with the permission of the instructor, a person may register as an auditor in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance. (See the announcement of the Division of University Students, pages 161-64.)

Students may obtain additional information concerning curricula, courses offered, entrance requirements, or admission procedure from the Office of the Director of Admissions.

## REGISTRATION

Before a student may be admitted to registration he must have satisfied the Office of the Director of Admissions that he is qualified for entrance to the University. (See "Admission", pages 11-15.)

A student who has previously matriculated in the University, but who has not been in attendance during the semester prior to registration, should file an application for readmission in advance of registration.

Registration is for the semester unless otherwise indicated on the registration paper. No registration is accepted for less than a semester or one summer term.

A student may not register concurrently in The George Washington University and another institution without the permission of the Dean or Director of the College, School, or Division in which he is registered in The George Washington University. Allowance of credit for work done concurrently will be at the discretion of the appropriate Committee on Admission and Advanced Standing.

### TIME AND PLACE OF REGISTRATION

Registration for the first semester will be conducted on September 18, 1940, for entering freshmen, and on September 19, 20, and 21, 1940, for all other students. Registration for the second semester will be conducted on February 4, 1941, for entering freshmen, and on February 5 and 6, 1941, for all other students. Registration for all Colleges, Schools, and Divisions of the University except the Law School will be conducted in the Hall of Government, 710 Twenty-first Street NW., from 11:00 A.M. to 7:00 P.M. Registration for the Law School will be conducted in Stockton Hall, 720 Twentieth Street NW., from 11:00 A.M. to 7:00 P.M.

### LATE REGISTRATION

For registration after September 21 in the first semester, and after February 6 in the second semester, a late-registration fee of \$5 will be charged. In all courses, registration for credit closes on October 5 for the first semester, and on February 21 for the second semester.

### CHANGES IN REGISTRATION AND WITHDRAWALS

A student may not change or drop courses or change his status to that of auditor except with the permission of the Dean or Director of the College, School, or Division in which he is registered, upon the presentation of adequate reasons for such change. (See "Withdrawal from



Courses", page 39.) Changes from one section to another of the same course may be made at any time with the permission of the Dean or Director of the College, School, or Division concerned.

A student desiring to change his major subject should make application to his Dean or Director. In making such change all requirements specified in the course of study to which the change is made must be satisfied before graduation.

A student desiring to transfer from one College, School, or Division to another should make application to the Director of Admissions. Such change may be made only with the approval of the Deans or Directors concerned.

A student who is obliged to withdraw from the University during the semester must immediately report in person or in writing to the Dean or Director of the College, School, or Division in which he is registered. No permission to withdraw from the University will be given to a student who has not a clear financial record. (See "Fees and Financial Regulations", pages 18-23.)

A student is liable for all charges for courses for which he has registered unless changes have been made with the approval of the Dean or Director, as stated above. Reporting the dropping of a course to an instructor does not effect its discontinuance.



## FEES AND FINANCIAL REGULATIONS

By authorization of the Board of Trustees, the following fees have been adopted, effective at the beginning of the academic year 1940-41:

### UNIVERSITY FEE

For each semester or for any part thereof.....	\$8.00
For the Summer Sessions.....	4.00
For auditors and for extension students, for each registration*.....	2.00

### TUITION FEES

In all undergraduate Colleges, Schools, and Divisions, for each semester-hour .....	8.00
In the School of Medicine, for the year.....	534.00
In the Law School, for each semester-hour.....	8.00
In the graduate departments, for each semester-hour taken by students other than candidates for a Doctor's degree†.....	8.00
For candidates for the degree of Doctor of Philosophy:	
For work leading to and including the Council Fellowship examination‡ .....	240.00
For work leading to and including the final examinations‡.....	240.00
For candidates for the degree of Doctor of Education:	
For work leading to and including the general examination‡.....	240.00
For work leading to and including the final examinations‡.....	240.00
For candidates for the degree of Doctor of Juridical Science:	
For work leading to and including the final examinations‡.....	240.00

### STUDENT BAR ASSOCIATION

In the Law School, for each semester or any part thereof.....	2.50
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### EXAMINATION FEES

For examinations to qualify for advanced courses and for all special examinations, for each subject.....	5.00
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### GRADUATION FEES

Wherein a degree is granted.....	20.00
Wherein a certificate is granted.....	10.00

FEE FOR BINDING MASTER'S THESIS.....	3.00
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\* Payment of this fee does not entitle auditors or extension students to the general privileges to which payment of the preceding fees entitles resident students.

† Payment of tuition for the thesis will entitle the candidate, during the academic year of registration, to the advice and direction of the member of the Faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period, it must be registered for again, and tuition paid on the same basis as for a repeated course.

‡ When a limited schedule is carried which extends the time of either the preparation period or the examination period to more than one year, the proportionate part of the charge may be fixed by the Comptroller.

## Fees and Financial Regulations

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FEE FOR THE PROFESSIONAL THESIS IN THE SCHOOL OF ENGINEERING ...	50.00
An annual fee: one half, plus the University fee, payable in advance at the time of each registration.	

FEE FOR PRINTING AND FILING SUMMARY OF DOCTORAL THESIS.....	50.00
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### SPECIAL FEES

Late-registration fee, charged all students who fail to register within the designated period.....	5.00
Service fee, charged all students whose payments, not met when due on the sixteenth day, are paid between the seventeenth and twenty-first days, inclusive, of the month in which payment is due .....	1.00
Reinstatement fee, charged students who are reinstated after suspension for delinquency in fees.....	5.00
For special physical examination.....	2.00
For examining admission credentials in the School of Medicine.....	3.00

### UNIVERSITY FEE

Payment of the University fee, charged all students, covers all expenses incident to registration and, in addition, secures to them the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the services of the Placement Office; (3) the use of University library facilities, except as otherwise designated; (4) gymnasium privileges; (5) admission to all athletic contests, unless otherwise specified; (6) subscription to the *University Hatchet*, the student newspaper; (7) admission to University debates; (8) medical attention and hospital services as described under the Department of Health Administration, page 232. These privileges, however, with the exception of the issuance of transcripts, terminate, and a student is no longer in residence, when he withdraws or is dropped from the University.

### LABORATORY FEES AND DEPOSITS

Fees are charged in each course listed below as indicated. All fees are charged by the semester and unless otherwise indicated may be defrayed in three payments when the tuition is paid in this manner. Fees and deposits payable in advance are due in full at the time of registration. Breakage of apparatus is charged against the individual student, and the amount paid in excess of breakage will be returned at the end of the year.

#### ART

Locker fee, per semester, payable in advance.....	\$1.00
Drawing-room fee, per semester:	
Design 5-6, 15-16, 25-26, 35-36.....	4.50
Design 125-26, 135-36 .....	6.00
Drawing 7-8, 107-8, 127-28.....	4.50
Painting 9-10, 119-20, 129-30.....	4.50
Painting 139-40 .....	6.00

**BACTERIOLOGY**

Material fee, per semester:

Bacteriology 112..... 6.00

**BIOCHEMISTRY**

Material fee, per semester:

Biochemistry 120, 221-22..... 12.00  
Biochemistry 225, 226..... 6.00**BIOLOGY**

Material fee, per semester:

Biology 1-2, 127-28..... 4.50  
Biology 115-16..... 6.00**BOTANY**

Material fee, per semester:

Botany 1, 2..... 4.50  
Botany 133-34, 135-36..... 6.00**CHEMISTRY**

Material fee, per semester:

Chemistry 11-12, 11x-12x, 21, 21x, 111-12, 151, 226..... 9.00  
Chemistry 121, 121x, 122, 135-36, 152, 155, 258, 259, 297-98.... 12.00  
Chemistry 123..... 6.00Breakage deposit, per annum, for one or more of the above courses,  
payable in advance..... 10.00In case the student's breakage totals more than this amount, he  
will be required to make an additional deposit.**CIVIL ENGINEERING**

Drafting-room fee, per semester:

Civil Engineering 41, 42, 150, 182, payable in advance..... 1.00  
Civil Engineering 147-48..... 3.00

Laboratory fee, per semester:

Civil Engineering 14, 14x, 149..... 6.00

Surveying fee, per semester:

Civil Engineering 1, 1x, 71, 72, 102..... 6.00

**EDUCATION**

Practice-Teaching fee, per semester-hour:

Education 134..... 4.50

**ELECTRICAL ENGINEERING**

Drafting-room fee, per semester:

Electrical Engineering 140, payable in advance..... 1.00

Laboratory fee, per semester:

Electrical Engineering 13-14, 17-18, 133-34..... 6.00  
Electrical Engineering 141-42..... 3.00**HOME ECONOMICS**

Material fee, per semester:

Home Economics 1, 52, 102, 102x..... 9.00  
Home Economics 51..... 6.00  
Home Economics 54, 61, 61x, 70, 72, 143, 152, 171..... 3.00



## Fees and Financial Regulations

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<b>MECHANICAL ENGINEERING</b>	
Drafting-room fee, per semester:	
Mechanical Engineering 3, 4, 7-8, 9-10, 127-28.....	3.00
Laboratory fee, per semester:	
Mechanical Engineering 115-16.....	6.00
<b>MEDICINE</b>	
Locker fee, per year (optional).....	1.00
<b>PHARMACY</b>	
Material fee, per semester:	
Pharmacy 21-22, 23-24, 102, 103, 109, 110, 151, 166, 172, 173, 174.....	6.00
Breakage deposit, per year, payable in advance:	
Pharmacy 1-2, 102, 103, 109, 110, 172, 173, 174.....	5.00
Pharmacy 21-22.....	10.00
Maximum deposit for two or more of the above courses.....	10.00
In case the student's breakage totals more than this amount, he will be required to make an additional deposit.	
<b>PHYSICAL EDUCATION FOR MEN</b>	
Locker and towel fee, per semester:	
Physical Education 1-2, 9-10.....	1.00
<b>PHYSICAL EDUCATION FOR WOMEN</b>	
Locker and towel fee, for one or more of the following, per semester:	
Physical Education 1-2, 11-12, 13-14, 15-16, 109-10, 113-14....	1.00
<b>PHYSICS</b>	
Material fee, per semester:	
Physics 11, 11x, 12x, 13, 13x, 55, 133x, 134x, 143-44, 155-56.....	6.00
<b>PHYSIOLOGY</b>	
Material fee, per semester:	
Physiology 117.....	12.00
<b>PSYCHOLOGY</b>	
Material fee, per semester:	
Psychology 191, 132, 134.....	3.00
Psychology 191-92.....	6.00
<b>PUBLIC SPEAKING</b>	
Recording fee, per semester:	
Public Speaking 1, 1x, 2, 2x, 22.....	1.50
Public Speaking 109.....	3.00
<b>STATISTICS</b>	
Laboratory fee, per semester:	
Statistics 1-2, 101-2, 103, 131-32.....	4.00
<b>ZOOLOGY</b>	
Material fee, per semester:	
Zoology 1-2, 101-2, 133-34, 142, 241-42.....	4.50
Zoology 137, 141, 144, 156, 171-72.....	6.00



### PAYMENT OF FEES

All fees are payable at the Office of the Cashier, 725 Twenty-first Street NW. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each semester are due and payable in advance at the time of registration.

In exceptional cases, subject to the approval of the Comptroller, students may sign contracts for semester charges, except for the University fee and other fees payable in advance, permitting payments as follows:

First semester—one third at the time of registration, plus the University fee and deposits; one third on November 16; one third on December 16.

Second semester—one third at the time of registration, plus the University fee and deposits; one third on March 16; one third on April 16.

Students in the School of Medicine are not privileged to sign contracts for semester charges.

Students who fail to meet payments when due, on the sixteenth day, but who pay their fees between the seventeenth and twenty-first days, inclusive, of the month in which payment is due are charged a service fee of \$1. Students who fail to meet payments by the twenty-first day of the month in which payment is due will be suspended and may not attend classes until they have been officially reinstated and have paid all accrued fees and a reinstatement fee of \$5. A suspended student may not be reinstated for the semester after two weeks from the date of suspension. Applications for reinstatement are to be made to the Dean or Director of the College, School, or Division in which the student is registered.

Auditors pay a University fee of \$2 and all other fees chargeable to students registered for credit except the late-registration fee.

### WITHDRAWALS AND REFUNDS

Applications for withdrawals from the University or for changes in class schedules must be made in person or in writing to the Dean or Director of the College, School, or Division in which the student is registered. Notification to an instructor is not an acceptable notice (see "Withdrawal from Courses", page 39).

In authorized withdrawals and changes in schedules, financial adjustments will be made as follows:

First semester—withdrawals dated on or before November 15, cancellation of the second and third payments; withdrawals dated on or before December 15, cancellation of the third payment. No refunds or rebates will be allowed on withdrawals dated subsequent to December 15.

Second semester—withdrawals dated on or before March 15, cancellation of the second and third payments; withdrawals dated on or before April 15, cancellation of the third payment. No refunds or rebates will be allowed on withdrawals dated subsequent to April 15.

In no case will the University fee or any part of an initial payment of fees be refunded, and in no case will tuition be reduced or refunded because of nonattendance upon classes.

Payments apply only to the semester for which registration charges are incurred and in no case will these payments be credited to another semester.

Any student in Chemistry who fails to check out of the laboratory on or before the date set by the instructor, unless excused by the instructor, will forfeit the balance of his deposit. Students dropping a course before the end of the semester must check out of the laboratory at once.

Authorization to withdraw and certification for work done will not be given a student who has not a clear financial record.

## FELLOWSHIPS, SCHOLARSHIPS, PRIZES, LOANS

### FELLOWSHIPS

The following fellowships are available to graduate students. Forms on which to make application for these fellowships will be supplied by the Registrar of the University on request. Applications should be submitted for consideration not later than March 1 preceding the academic year for which the fellowship is to be awarded.

#### THE SCHOOL OF GOVERNMENT

*Fellowships of the Grand Encampment, Knights Templar of the U. S. A., Educational Foundation Committee.*—Five fellowships of the value of \$1,000 each are offered annually in the School of Government by the Educational Foundation of the Grand Encampment of Knights Templar of the U. S. A. They are open to men holding the Bachelor's degree from an accredited institution of higher learning and are intended to train for governmental service. These fellowships will be allotted according to districts defined by the Educational Foundation Committee of the Grand Encampment of Knights Templar.

The fellowship of the Southeastern District is named for J. K. Orr, Past Grand Master of the Grand Encampment. For information concerning these fellowships, apply to the Honorable Fred A. Aldrich, Chairman of the Educational Foundation Committee, Grand Encampment of Knights Templar, P. O. Box 149, Flint, Michigan.

#### THE GRADUATE COUNCIL

Applicants for University Teaching Fellowships and Special Fellowships are expected to be prospective candidates for the degree of Doctor of Philosophy, and to have the Master of Arts degree, or the equivalent, in the general field of their future doctoral study and research.

*University Teaching Fellowships.*—These are assigned for the academic year 1940-41 in the following departments of instruction: Biochemistry, Economics, English, History, Romance Languages, Statistics. Each fellow receives a stipend of \$600, plus full tuition in the Graduate Council for whatever schedule of study or research his Fellowship duties permit him to carry. The occupant of each of these Fellowships renders a designated unit of service to the department of instruction in his major field of doctoral study, usually in classroom or laboratory assignments.

*Special Fellowships.*—A number of special Fellowships are supported by endowment, and are awarded to doctoral students of unusual promise



and ability. The stipend is not fixed but varies in amount with the need of the individual receiving the award. In applying for one of these Fellowships it is advantageous for the student to appear personally for an interview with the Chairman and such other members of the Graduate Council as would be interested in the research investigations proposed. These Fellowships include the following:

*Isabella King Research Fellowship.*—Of the value of \$1,200 annually, offered in the general field of Biology, and intended to foster research for which the libraries and scientific establishments in Washington provide special facilities.

*Thomas Bradford Sanders Fellowships.*—Established by Miss Addie Sanders in memory of her late brother, Thomas Bradford Sanders, and offered in various academic fields of study, with stipends designated by the Chairman of the Graduate Council.

#### SCHOLARSHIPS

Scholarships are awarded for one year unless otherwise specified and are credited in equal parts for each semester. Holders must carry a full schedule of academic work (fifteen semester-hours or in the professional schools the full prescribed schedule) during the period for which the scholarship is awarded. Except in the case of the Citizens' Military Training Camps Scholarship, The Columbian Women's Scholarships, the High School Scholarships, the Metzgerott Scholarships, the National League of Masonic Clubs Scholarships, the Order of the Eastern Star Scholarships, and the Trustee Scholarships, applicants must have established an academic record in courses at this institution and should apply on prescribed forms which must be filed in the Office of the Registrar not later than May 15th preceding the academic year for which the scholarship is to be awarded. Further information may be obtained from the Registrar of the University.

*Byron Andrews Scholarships.*—Three scholarships, in the amount of \$100 each, founded by Mrs. Belle Fisk Andrews in memory of her husband, the late Byron Andrews, are available "for ambitious and needy students, who desire to pursue course in English, Latin, Journalism, History, Literature, or Political Science".

*Emma K. Carr Scholarships.*—These scholarships, founded in 1932 by Mrs. Emma K. Carr, are awarded annually to "young men (of the white race) for undergraduate or postgraduate work, considering character, capacity, and need", and number as follows: four in the amount of \$240 each and twelve in the amount of \$100 each.

*Henry Harding Carter Scholarships.*—These three scholarships, founded in 1896 by Mrs. Maria M. Carter in memory of her husband, Henry Harding Carter, are of the annual value of \$50 each and may



be awarded to deserving students who are preparing for the civil-engineering profession.

*Maria M. Carter Scholarship.*—This scholarship, in the amount of \$30 to be awarded annually to a young man, was given to the University in 1871 by Mrs. Maria M. Carter.

*Citizens' Military Training Camps Scholarship.*—The University awards each year, through the Citizens' Military Training Camps of the Third Corps Area, a scholarship carrying tuition (this does not include the University fee, laboratory fees, or deposits) for one year in any one of the undergraduate departments. The award is made on the recommendation of the camp officers.

*Isaac Davis Scholarship.*—This scholarship, in the amount of \$30 to be awarded annually, was given to the University in October 1869 by the Honorable Isaac Davis, of Massachusetts. Nominations for the scholarship may be made "by the founder or his eldest lineal descendant". In case no such nomination is made, the scholarship is to be awarded by the University.

*Charles Worthington Dorsey Memorial Scholarship.*—This scholarship, established as a memorial to Charles Worthington Dorsey, Bachelor of Laws '81, Master of Laws '82, is awarded upon the recommendation of the Faculty of the Law School to a needy and promising graduate of Columbian College or other division of the University, with a Bachelor of Arts or other equivalent degree, who has maintained an average of B as an undergraduate student and who desires to pursue the study of law as a full-time student. The scholarship covers tuition for the course leading to the first degree from the Law School, Bachelor of Laws or Juris Doctor, provided that the holder maintains an average of B. The right is reserved to suspend the benefits of the scholarship for cause at any time. The scholarship is awarded ordinarily once every three years.

*Robert Farnham Scholarship.*—This scholarship, in the amount of \$30 to be awarded annually to a student in Columbian College, was given to the University in 1871 by Mrs. Robert Farnham.

*Elma Lewis Harvey Scholarship.*—This scholarship, of the annual value of \$200, was founded in 1921 by Mrs. Emma Elizabeth Harvey in memory of her daughter, and is to be awarded every four years, or as often as vacant, to a young woman student in Columbian College of the Protestant faith and of the Caucasian race who shall be selected for scholarship and moral qualifications.

*High School Scholarships.*—Two University scholarships, one for a man student, the other for a woman, are assigned for award to each of the following schools: Anacostia, Central, Eastern, McKinley, Roosevelt, Western, and Woodrow Wilson High Schools (District of Columbia); Bethesda-Chevy Chase High School (Maryland); Washington-Lee and George Washington High Schools (Virginia). The *Amos Kendall*

*Scholarship*, founded by the late Honorable Amos Kendall, is one of the two assigned to the Central High School. Each of the above scholarships is awarded annually, on the recommendation of a committee consisting of the Dean of the Junior College of The George Washington University, the principal of the high school concerned, and an alumnus of both the high school and the University, to a member of the graduating class who intends to enter the Junior College and to continue in Columbian College. A principal and an alternate may be recommended.

The holders of these scholarships are exempt from tuition fees, the Summer Sessions excepted, but are charged the University, laboratory, graduation, and other fees. The scholarships are valid for four continuous academic years following the award, subject to the following conditions: The principal, or, if the principal declines, the alternate, must register during the registration period for the fall term following the award. To retain any High School Scholarship a student must carry a full program of study (a full program being defined as at least fifteen hours of work each semester), unless otherwise determined in individual cases by the Committee on Student Loans and Scholarships upon recommendation of the Dean of the College concerned. An average of B and a high standard of deportment must be maintained. In case the holder of the scholarship does not use it, the scholarship will not be reassigned.

*John Hitz Metzerott Scholarship*.—This scholarship in the amount necessary to cover tuition charges, exclusive of special fees, was established in 1923 in memory of John Hitz Metzerott, M.D. '91, by members of his family, and is to be awarded every six years, or as often as vacant, to a young man preparing to enter the medical profession. The donors reserve the right to nominate the holder of this scholarship. The holder of the scholarship may be a student pursuing a premedical course in the Junior College or Columbian College, or the professional course in the School of Medicine.

*A. Morehouse Scholarship*.—This scholarship was founded by Mr. A. Morehouse, of Washington, D.C., in 1861. It carries an annual stipend of \$45, which is available for an undergraduate intending to enter the Christian ministry.

*The National League of Masonic Clubs Scholarships*.—Nine scholarships, in the amount of \$600 each, are offered for the academic year 1940-41 by the National League of Masonic Clubs. These scholarship awards, based upon competitive examinations, are available to Masons and sons of Masons affiliated with the National League of Masonic Clubs. Information in regard to the regulations governing these awards may be obtained from the Executive Secretary, Board of Trustees and Administration, Educational Foundation, National League of Masonic Clubs, P. O. Box 56, Station H, New York City.



*Order of the Eastern Star Scholarship.*—This scholarship in the amount of \$125 was established by the Order of the Eastern Star of the District of Columbia and is to be awarded to a woman of the Order or to a daughter of a member in good standing. The donors reserve the right to nominate the holder of this scholarship.

*David Spencer Scholarship.*—This scholarship, established in 1918 by Louisa J. Spencer, is available under conditions stated in the bequest.

*Mary Lowell Stone Scholarship.*—This scholarship, founded in 1893 in memory of Mary Lowell Stone, is in the amount of \$60, to be awarded annually to a woman student of science in Columbian College.

*Trustee Scholarships.*—Five scholarships are awarded each year, upon the recommendation of regional alumni clubs, to outstanding male graduates of accredited high schools. The scholarships cover tuition costs for two years of full-time work but do not include the University fee, special fees such as laboratory charges, room, board, or other expenses. To retain the scholarship for the second year, the student must maintain a *B* average. Additional information may be obtained from the Alumni Secretary.

*William Walker Scholarship.*—This scholarship was founded in 1824 by William Walker, Esq., of Putnam County, Georgia. It carries an annual stipend of \$75, which is available for an undergraduate intending to enter the Christian ministry.

*John Withington Scholarship.*—This scholarship was founded in 1830 by the New York Baptist Theological Seminary, to be known as the John Withington Scholarship. It has an annual stipend of \$60.

*Ellen Woodhull Scholarship.*—This scholarship, founded by the late Ellen M. E. Woodhull, is in the amount of \$25, to be awarded annually to a student in Columbian College.

#### THE COLUMBIAN WOMEN SCHOLARSHIP FUNDS

The Columbian Women Scholarships, granted under any of the funds hereinafter described, are awarded by the Scholarship Committee of The Columbian Women. Applications for the Columbian Women Scholarships should be addressed to the Chairman of the Scholarship Committee, The Columbian Women, The George Washington University, Washington, D.C., not later than May 15 preceding the academic year for which the scholarship is to be awarded; or, in the case of award for the second semester, not later than January 1.

*Nellie Maynard Knapp Scholarship Fund.*—The income from this fund of \$5,000, established in 1915 by The Columbian Women in memory of a former president, Mrs. Martin A. Knapp, is available for scholarships for women.

**Founders of Columbian Women Scholarship Fund.**—The income from this fund of \$5,000, established in 1920 by The Columbian Women, is available for scholarships.

**Lillian Young Herron Scholarship Fund.**—The income from this fund of \$5,000, established by The Columbian Women in 1925 and named in 1930 in memory of a former president, is available for scholarships.

**Elizabeth V. Brown Scholarship Fund.**—This fund of \$1,200 was established in 1925 by the College Women's Club of Washington, D.C., in memory of the late Elizabeth V. Brown. The scholarship granted thereunder is available for a woman student in the School of Education.

**College Women's Scholarship Fund.**—The income from this fund of \$500, established in 1926 through the courtesy of the College Women's Club of Washington, D.C., is available for scholarship aid.

**Lewes D. and Myrtie H. Wilson Memorial Scholarship Fund.**—This fund of \$1,000 was established by Miss Elizabeth Wilson in 1926 as a memorial to her parents, Lewes D. and Myrtie H. Wilson. The income is available for a scholarship in the School of Medicine.

**Grace Ross Chamberlin Scholarship Fund.**—The income from this fund of \$2,300, established in 1932 by The Columbian Women in honor of a former president, is available for scholarship aid.

#### PRIZES

**Alpha Chi Sigma Prizes.**—Alpha Pi Chapter of Alpha Chi Sigma Fraternity offers annually the following prizes:

A "Handbook on Chemistry and Physics" is awarded to each of the three male students who carry at least eighteen semester-hours during the freshman year and attain the highest averages in freshman Chemistry.

The fraternity will have engraved on a bronze plaque in Corcoran Hall the name and year of graduation of the graduating male student who has attained the highest quality-point index in courses in Chemistry, exclusive of the work of the final semester, provided that he has completed the requirements for a major in Chemistry and has done three-fourths of this work in The George Washington University.

**Alpha Delta Pi Prize.**—Alpha Pi Chapter of Alpha Delta Pi Fraternity offers an annual prize of \$10 to the student doing the best work in third-year French.

**Alpha Kappa Psi Prize.**—Beta Mu Chapter of Alpha Kappa Psi Fraternity awards annually a scholarship medallion to the male student who has completed ninety semester-hours at The George Washington University and has attained the highest average grade of the students enrolled in Economics, Business Administration, Public Accounting, Public Finance, and Foreign Commerce.



*American Institute of Chemists Prize.*—The District of Columbia Chapter of the American Institute of Chemists offers an annual prize of a medal and junior membership in the American Institute of Chemists to be awarded to that graduating student, majoring in Chemistry, who is judged by the Faculty of the Department of Chemistry to excel in scholarship and in the personal qualities of integrity and leadership.

*Byrne Thurtell Burns Memorial Prize.*—This prize, in the amount of \$30, is awarded to the senior majoring in Chemistry who shows the greatest proficiency in Organic Chemistry, as evidenced by a comprehensive examination, and who possesses such qualifications of mind, character, and personality as to give promise of future achievement.

*Chi Omega Prize.*—Phi Alpha Chapter of Chi Omega Fraternity offers annually a prize of \$25 to be awarded to the woman student in the graduating class with the highest record in the social sciences, combined with general excellence. The social sciences include Economics, Sociology, Political Science, and History.

*Colonial Dames Prize.*—The Society of the Colonial Dames of America, Chapter III, offers annually a medal to be awarded to the student who, having maintained a record of distinction in American History, submits the best essay upon a topic in Colonial history.

*E. K. Cutter Prize.*—The E. K. Cutter Prize in English was founded by the late Marion Kendall Cutter "for excellence in the study of English". An annual prize of \$40 is awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude and attainment in English studies.

*Daughters of the American Revolution Prize.*—This prize, founded by the Daughters of the American Revolution of the District of Columbia, consists of \$15, which is awarded annually to the student who, having maintained a record of distinction in American History, submits the best essay upon a topic in the period of the American Revolution.

*Harry Cassell Davis Prizes.*—These prizes are offered annually by Dr. Davis, who is a graduate of the University and a member of its Board of Trustees, to those students, registered in Public Speaking 1 or 1X, who, selected to take part in a speaking contest at the end of the course, are judged the best speakers. A committee of three judges will be selected by the Department of Public Speaking for each contest. At the end of the first semester three prizes will be awarded, as follows: first prize, \$25; second prize, \$15; third prize, \$10. At the end of the second semester two prizes will be awarded, as follows: first prize, \$15; second prize, \$10.

*Isaac Davis Prizes.*—These prizes, founded by the Honorable Isaac Davis, of Massachusetts, in 1847, are awarded annually to such members of the senior class as shall have made the greatest progress in public

speaking during their connection with the University. The prizes are as follows: first prize, \$15; second prize, \$10; third prize, \$5.

The Davis Prize Speaking is held on the third Tuesday in November. The award of these three prizes is determined by a public-speaking contest in which the participants deliver original orations. Only members of the senior classes who are candidates for the degree of Bachelor of Arts or Bachelor of Science are eligible to compete. Students wishing to enter the competition should report to the Executive Officer of the Department of Public Speaking not later than three weeks before the contest and should submit their orations not later than two weeks before the contest. The prizes are awarded by a committee of three members, appointed by the Department of Public Speaking.

*William Thornwall Davis Prize.*—This prize, offered by Dr. William Thornwall Davis and consisting of a current monograph or set of monographs dealing with the field of ophthalmology, is awarded annually to the student doing the most outstanding work in Ophthalmology.

*Delphi Prize.*—Delphi offers an annual prize of \$10 to the woman member of the junior class having a scholarship average of 2.6 or higher who has done the most constructive work in the promotion of student activities among the women of the University.

*Delta Sigma Rho Prizes.*—Delta Sigma Rho has presented two cups, on which are engraved the names of the fraternity and sorority, respectively, whose teams win the annual Intramural Debate. The winning teams are awarded possession of the cups for the following year, and any fraternity or sorority which is victorious in three debates, not necessarily consecutive, is awarded permanent possession.

*Delta Zeta Prize.*—Delta Zeta Sorority offers annually a prize of \$10, to be awarded to the student maintaining the highest average in General Botany.

*Ellsworth Prize.*—The Ellsworth Prize of \$25, offered by Mr. Fritz von Briesen, is awarded to the student doing the best work in the subject of Patent Law Practice.

*Elton Prize.*—The Elton Prize, founded by the Reverend Romeo Elton, D.D., of Exeter, England, consists of \$10 awarded annually to the senior student having the highest average in the Greek Language and Literature.

*European History Prize.*—This prize, in the amount of \$25, is awarded annually to that student in European History whose essay on some assigned topic shall be deemed the best submitted.

*Joshua Evans III Prize in the Political and Social Sciences.*—This memorial prize in the amount of \$30, "established by friends because of an outstanding life", is awarded annually to that man in the graduating class of The George Washington University "who has demonstrated his signal ability in the Social and Political Sciences and who has given



promise of the interpretation of that ability in good citizenship among his fellows". The selection of the recipient will be made by the President of the University and a committee from the Faculty of the Division of the Social Sciences.

*Willie E. Fitch Prize.*—The Willie E. Fitch Prize for highest excellence in all branches of Chemistry, founded in 1883 by James E. Fitch, Esq., in memory of his son, consists of \$40 which is awarded annually to a senior student for the best general examination in Chemistry.

*Edward Carrington Goddard Prize.*—This prize, consisting of a gold medal, was founded in 1924 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D. C., in memory of Edward Carrington Goddard, class of '81, and is awarded to the junior or senior student making the highest average in the French Language and Literature.

*James Douglas Goddard Prize.*—This prize, consisting of a gold medal was founded in 1924 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D.C., in memory of James Douglas Goddard, class of '01, and is awarded to the senior student making the highest average in Pharmacy.

*Morgan Richardson Goddard Prize.*—This prize, consisting of a gold medal and \$25 was founded in 1924 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D.C., in memory of Morgan Richardson Goddard, and is awarded to the junior or senior student making the highest average in the following fields: Economics, Business Administration, Foreign Commerce, and Public Accounting.

*The Gardiner G. Hubbard Memorial Prize in American History.*—This prize of \$40 was established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard, and is awarded annually to that member of the graduating class majoring in History who has maintained the highest standing in courses in American History.

*Henry E. Kalusowski Prizes.*—The District of Columbia Pharmaceutical Association offers two prizes of \$50 each to the junior and senior students in the School of Pharmacy who maintain the highest average in all subjects in their respective classes.

*Kappa Delta Prize.*—Kappa Delta Sorority offers annually a silver loving cup to that girl of the freshman class who, in her first year, attains the highest scholastic average in not less than twenty-four semester-hours of work.

*Kappa Kappa Gamma Prize.*—Kappa Kappa Gamma Sorority offers annually a prize of \$10 to the full-time freshman who achieves the best record in Botany 1 and 2.

*John Bell Larner Prize.*—This prize, established by the bequest of John Bell Larner, consists of a medal which is awarded annually to

that member of the graduating class in the Law School who attains the highest average grade in the entire course for the degree of Bachelor of Laws.

*Mortar Board Prize.*—This prize, consisting of a silver cup, is awarded annually to the woman student in the sophomore class having a scholarship average of *B* or higher and the most outstanding record in activities.

*Omicron Delta Kappa Prize.*—Alpha Delta Circle of Omicron Delta Kappa Fraternity offers annually a plaque to be awarded to "that member of the senior class who throughout his course at The George Washington University has done the most constructive work in the furtherance and upbuilding of the University student activities".

*John Ordronaux Prizes.*—These prizes were established in 1909 by the bequest of John Ordronaux.

The amount of \$80 is awarded to the member of the graduating class in the School of Medicine who has the highest scholastic standing.

The amount of \$40 is awarded annually to the student in the Law School who has attained the highest average grade in the first-year, full-time, regular course; and \$40 to the student who has attained the highest average grade in the second-year, full-time, regular course.

*Phi Alpha Prize.*—Alpha Chapter of Phi Alpha Fraternity offers annually a bronze plaque to that man in the sophomore class who ranks highest scholastically in his work at the University.

*Phi Eta Sigma Prize.*—The George Washington University Chapter of Phi Eta Sigma, freshman honorary scholarship society, offers each year to the beginning male student attaining the highest scholastic average in his first full semester of work a choice book, selected from the field of the recipient's major interest. In addition, the winner's name will be engraved on a permanent plaque to be preserved in the Office of the Dean of the Junior College.

*Phi Mu Prize.*—Beta Alpha Chapter of Phi Mu Sorority offers annually a prize of \$10 to that student who attains in his major work, undertaken in the field of Political Science, the highest average for the year.

*Phi Sigma Kappa Prize.*—Phi Sigma Kappa Fraternity offers annually a silver cup to the winner of an oratorical contest, open to all freshmen.

*Phi Sigma Sigma Prizes.*—Kappa Chapter of Phi Sigma Sigma Fraternity offers annually the following prizes:

The amount of \$10 is awarded to the woman student with the highest average in first-year Zoology.

A key, known as the Nileen Cooper Phi Sigma Sigma Award, is given to the senior woman doing the most outstanding work in Psychology.



*Pi Beta Phi Prize.*—A prize of \$20 is awarded annually by the District of Columbia Alpha Chapter of Pi Beta Phi Fraternity to that woman member of the senior class who throughout her college course has done the most constructive work in the promotion of student activities among the women of the University.

*Pi Lambda Theta Prize.*—Alpha Theta Chapter of Pi Lambda Theta Fraternity offers an annual prize of \$25 to the student who produces the most meritorious Master's thesis in Education.

*Ruggles Prize.*—The Ruggles Prize, founded by Professor William Ruggles in 1859, consists of \$20 awarded annually for excellence in Mathematics to a candidate for a baccalaureate degree.

*Sigma Kappa Prizes.*—Zeta Chapter of Sigma Kappa Sorority offers an annual prize of a set of books of the value of \$10 to the student passing the best examination in the year's work in English Rhetoric; and a prize of \$10 to the student who passes the best examination in freshman Chemistry.

*Sigma Pi Sigma Prizes.*—Sigma Pi Sigma Fraternity offers annually the following prizes:

A choice book in the field of Physics is awarded to the outstanding undergraduate student in Physics 3-4.

A choice book in the field of Physics is awarded to the outstanding undergraduate student in the field of Physics who has completed fifteen semester-hours in Physics. The fraternity will have the name of the recipient engraved on the Sigma Pi Sigma honor plaque.

*Sigma Tau Prize.*—Xi Chapter of Sigma Tau Fraternity offers annually a medal to be awarded to that member of the freshman class in the School of Engineering who maintains the highest scholastic standing in the work of the entire year.

*Staughton Prize.*—The Staughton Prize, founded by the Reverend Romeo Elton, consists of \$10 awarded annually to the senior student making the best record in the Latin Language and Literature.

*James MacBride Sterrett, Jr., Prize.*—This prize, founded in 1911 by the late Professor James MacBride Sterrett in memory of his son, consists of a gold medal awarded annually to that student who obtains the highest average in the course in General Physics.

*Charles Clinton Swisher History Club Prize.*—The Charles Clinton Swisher History Club offers an annual prize of \$25 to the student who submits the best essay covering some phase of medieval history.

*Theta Tau Activities Plaque.*—Gamma Beta Chapter of Theta Tau Fraternity offers annually a plaque to be awarded to that member of the senior class who has the most outstanding record in activities in the School of Engineering during the entire period of his attendance.

**Thomas F. Walsh Prize.**—This prize, founded in 1901 by Thomas F. Walsh, consists of \$30 awarded annually to that student who submits the best essay upon some topic in Irish history.

**Alexander Wilbourne Weddell Prize.**—From a fund established in 1923 by Mrs. Virginia Chase Weddell, an annual prize of \$150 is awarded to that student of the University who, registered for a degree, writes the best essay on the subject of "the promotion of peace among the nations of the world". The prize essays shall become the property of the University and shall not be printed or published without the written consent of the University. The University reserves the right to withhold the award if no essay attaining the required degree of excellence is submitted.

#### LOAN FUNDS

Loan funds are administered by the University Committee on Student Loans and Scholarships. Applications upon the required forms must be filed in the Office of the Comptroller at least ten days before the first day of registration in each semester. Applications for loans to cover the second or third payments of tuition in each semester must be filed on or before the tenth day of the month in which the fees are due. Applications for loans cannot be considered if they are received after the dates stated above. Loans will be limited to the amount required for tuition in each case. Borrowers will sign notes for the amount borrowed. The terms of repayment of interest and principal will be arranged at the time of making the loan. When a student withdraws from the University, his loan automatically becomes due. No candidate will be approved for graduation if he is delinquent in a loan obligation incurred for educational purposes either at The George Washington University or elsewhere.

**University Student Loan Fund.**—The Trustees of The George Washington University have established a loan fund amounting to \$10,000.

**Daughters of the American Revolution Loan Fund.**—The District of Columbia Chapters of the Daughters of the American Revolution have established an endowment fund of \$4,360.76, from the income from which interest-bearing loans will be made to the daughters of members of the Daughters of the American Revolution in the District of Columbia. At present the loan fund amounts to \$1,083.74.

**Henry Strong Educational Foundation.**—The Henry Strong Educational Foundation, established at Chicago under the will of General Henry Strong, makes available a fund for loans to both men and women students under the age of twenty-five years, preferably in the upper classes, who possess not only zeal for leadership but also character and those traits tending to leadership, to aid them in obtaining a prac-

tical, literary, scientific, mechanical, or business education. The amount available for the year 1940-41 is \$2,853.30.

*Henry Strong-William A. Maury Loan Fund.*—This fund, also allocated from the funds of the Henry Strong Educational Foundation, is to be loaned to students under the age of twenty-five years in the George Washington University Law School. The amount available for 1940-41 is \$2,383.59.

*Knights Templar Educational Loan Fund.*—This fund, contributed and administered by the Grand Commandery of Knights Templar of the District of Columbia, is available for loans to students, preferably in the upper classes, who are residents of the District of Columbia. The amount loaned to a student is limited to \$200, and the terms of repayment are specially arranged in each instance by the Loan Committee of the Knights Templar.

*Pharmacy Loan Fund.*—This fund of \$155.69, established in 1932 by the Washington Chapter No. 4 of the Women's Organization of the National Association of Retail Druggists, is available to students in the School of Pharmacy. Application should be made to the Dean of the School.



## REGULATIONS

A student enrolled in the University is required to conform to the general University regulations and to comply with the rules and regulations of the College, School, or Division in which he is registered.

If a student knowingly makes a false statement or conceals material information on an application for admission, registration card, or any other University document, his registration may be cancelled and he will be ineligible (except by special Faculty action) for subsequent registration in any unit of The George Washington University.

### ATTENDANCE

Students are not permitted to attend classes until registration has been completed and fees due have been paid. Regular attendance is required except in the case of students registered for courses under the independent study plan. For undue absence in any class a student may be dropped from the class. Tuition charges are made on a semester basis, and in no case will tuition be refunded or reduced because of nonattendance upon classes.

Students who have been suspended, either for delinquency in payment of fees or for any other reason, are not permitted to attend classes during the period of suspension.

*Noncontinuous Attendance.*—Students who withdraw or are suspended, or who fail to register and attend for one semester or more, may re-enter and continue their work only under the rules and regulations in force at the time of their return. For the purpose of this regulation, the Summer Sessions shall not be considered a semester.

For further regulations regarding attendance, consult the announcements of the several Colleges, Schools, and Divisions.

### PHYSICAL EDUCATION REQUIREMENTS

Regular freshman and sophomore courses in Physical Education are arranged for men and women students in the Junior College and the School of Engineering.

These courses in Physical Education are required of all freshman and sophomore students. However, students taking fewer than three subjects and students who, because of regular employment during the day (or for other reasons satisfactory to the Dean), must take all their classes in the late-afternoon hours are exempt from the requirements in Physical Education. Other exemptions may be granted only on



written application approved by the Dean on recommendation of the Physical Education Department concerned.

Exemption from the requirements in Physical Education for reasons of a physical nature is conditional upon the recommendation of the University medical staff to the Executive Officer of Physical Education in the Department concerned. This applies equally to men and women.

Students entering the University with advanced standing are not exempt from the Physical Education requirements unless they have satisfactorily met the requirements elsewhere. Courses in Military Training are not accepted in satisfaction of these requirements.

The required medical and physical examinations will be given September 20, 1940.

#### SCHOLARSHIP REQUIREMENTS

A student who fails to maintain the scholarship requirements of the College, School, or Division in which he is registered may be placed on probation or dropped from the University.

#### EXAMINATIONS

Examinations are scheduled in all courses at the end of each semester or at the completion of the course.

Students guilty of dishonesty in examinations may be deprived of credit for the courses in which dishonesty occurs and may be suspended from the University.

For further regulations regarding examinations, consult the announcements of the several Colleges, Schools, and Divisions.

#### GRADES

Grades are not given out by instructors but are mailed to the student through the Office of the Registrar at the close of each semester. Upon request, a copy of the student's grades will be forwarded to his parent or guardian.

The following grading system is used in all undergraduate divisions of the University: *A* (90-100 per cent), excellent; *B* (80-90 per cent), good; *C* (70-79 per cent), average; *D* (60-69 per cent), passing; *E*, conditioned, not passing; *F* (below 60 per cent), failing; *Inc.*, incomplete; *W*, withdrawn. *W* is followed by a letter grade indicating the quality of work the student was doing at the time of withdrawal. A course failed must be repeated with a passing grade in order to be credited. No student may repeat for credit a course in which he has received a grade above *E*, without the permission of the Faculty of the College, School, or Division in which he is registered. A condition may be removed within one year on terms specified by the instructor, but in

no case will a final grade above *D* be given unless the course is repeated in class. A grade of "incomplete" cannot be altered after the lapse of one calendar year except by Faculty action.

In all graduate divisions of the University, grades are indicated as "satisfactory", "unsatisfactory", or "incomplete".

For the grading systems of the Law School and the School of Medicine, see the explanations in the announcements of those Schools.

#### WITHDRAWAL FROM COURSES

Withdrawal from any course must be approved by the Dean or Director of the College, School, or Division in which the student is registered. The grade *F* (failing) will be given in a course dropped without the permission of the Dean. Applications for withdrawal from any course within one month before the end of the semester or two weeks before the end of the Summer Sessions will be approved only in exceptional cases and must receive special action to regularize them. Forms upon which to make requests for withdrawal may be obtained at the Office of the Dean or Director. (See "Withdrawals and Refunds", pages 22-23.)

#### QUALITY-POINT INDEX

Quality-points are computed from grades as follows: *A*, four points; *B*, three points; *C*, two points; *D*, one point; *E* and *F*, no points, for each semester-hour for which the student has registered.

Scholarship is computed in terms of the quality-point index, obtained by dividing the number of quality-points by the number of semester-hours for which the student has registered, both based on the complete collegiate record. Courses marked *W* or *Inc.* are not considered in determining the index.

#### CREDIT

Credit toward a degree is given only after regular registration for and satisfactory completion of the required work of classes in the University, or upon the granting of advanced standing in accordance with the regulations of the several Colleges, Schools, and Divisions.

On request the Registrar will furnish to students balance sheets showing the amount of work completed and the amount necessary to complete the requirements for a degree.

#### GRADUATION REQUIREMENTS

To be recommended for graduation a student must have met the admission requirements of the College, School, or Division in which he is registered, completed satisfactorily the residence, scholarship, and other

requirements for the certificate or degree for which he is registered, and be free from all indebtedness to the University.

*Application for Graduation.*—Application for a degree or a Junior Certificate should be filed in the Office of the Registrar at the time of registration for the first semester of the senior or final year and may not be filed later than the date specified in the University calendar.

*Residence Requirements.*—In all undergraduate divisions of the University a minimum of one year, or thirty semester-hours, must be completed in residence. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean or Director of the College, School, or Division concerned to pursue work elsewhere, the work of the senior or final year must be completed in residence.

Graduate students must meet the residence requirements for the particular degree for which they are registered.

*Scholarship Requirements.*—In all undergraduate divisions of the University the scholarship requirement for graduation is a quality-point index of at least 2.00.

Graduate students must meet the scholarship requirements for the particular degree for which they are registered.

*Attendance and Conduct.*—The University reserves the right of refusing to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

*Presence at Graduation.*—Candidates are required to be present at the graduation exercises unless written application for graduation in absentia is approved by the Dean of their College or School.

### HONORS

In all undergraduate divisions of the University the degree may be conferred "with distinction", at the discretion of the Faculty, upon those students attaining a quality-point index of 3.50 or higher on all work taken at this institution except for the grades immediately preceding the granting of the degree. To be eligible for this honor a student must have completed at this institution at least one half of the work required for the degree.

### SPECIAL HONORS

Special honors may be awarded by the Faculty to any member of the graduating class for outstanding achievement in the student's major field of work on recommendation of the major department, under the following regulations:



1. The student shall have his candidacy for special honors approved by the Faculty member representing the major department not later than the beginning of the senior year.

2. The candidate shall meet such other conditions as the major department may set at the time the student's candidacy is approved.

3. No student shall be awarded special honors unless he has a quality-point index of at least 3.00 on all work taken at this institution except for the grades immediately preceding the granting of the degree. To be eligible for this honor a student must have completed at this institution at last one half of the work required for the degree.

### FORMAL REQUIREMENTS FOR THESES

Theses submitted in partial satisfaction of requirements for the Master's degree, the professional degrees in Engineering, the degree of Doctor of Education, and the degree of Doctor of Philosophy must be presented in their final form to the Dean or Director of the College, School, or Division concerned not later than the date specified in the University calendar. Three\* copies of each thesis are required, one typewritten original and two legible carbon copies, on official thesis paper, which is obtainable at the Student Club. All copies should be unbound. The title page must be in the following form:

(title of thesis)

By (full name of candidate)

(degrees held, with dates of conferment and names of conferring institutions)

A thesis submitted to the Faculty of the (name of the College, School, or Division) of The George Washington University in partial satisfaction of the requirements for the degree of (name of degree).

(date of Convocation at which the degree is to be conferred)

Accepted theses, with accompanying drawings, are the property of the University and will be deposited in the University Library, where the duplicate copies will be bound and made available for circulation. Permission to publish or adapt material in the thesis must be secured from the appropriate Faculty.

Special requirements regarding theses are stated in the announcements of the Colleges, Schools, and Divisions.

### TRANSFER OF RECORDS

Official transcripts of student records will be forwarded on request to other institutions. Unofficial copies of records will be furnished to stu-

\* In the School of Education, four copies.



dents on request. No charge is made for the first three transcripts; a fee of one dollar is charged for each one thereafter. No certificate of work done will be issued for a student who does not have a clear financial record.

#### THE LIBRARY

All students registered in the University are entitled to the reference use of the University Library. The Student Activities Book, issued upon payment of the University fee, must be presented as identification.

Library books, with the exception of those in the Law and Medical collections, may be drawn for home use for a period of two weeks. Any book which does circulate is subject to recall by the Librarian at any time. Reserve books and periodicals for collateral reading must be used in the reading rooms when the Library is open. With special permission they may be drawn for overnight use when the Library closes. A fine of twenty-five cents will be charged for the first hour or fraction of an hour and five cents for each hour or fraction thereafter that a reserve book is overdue. Grades of a student will be withheld until his library record is clear.

#### HOURS

The University Library is open from 8:30 A.M. to 10:30 P.M. each class day (Saturday, 8:30 A.M. to 6:00 P.M.), and from 2:00 to 6:00 P.M. on Sunday.

The Law Library, in Stockton Hall, 720 Twentieth Street, is open from 9:00 A.M. to 11:00 P.M. each class day (Saturday, 9:00 A.M. to 6:00 P.M.), and from 2:00 to 6:00 P.M. on Sunday.

The Medical Library, at 1335 H Street, is open from 8:30 A.M. to 4:30 P.M. each class day (Saturday, 8:30 A.M. to 1:00 P.M.).

#### RIGHT TO DROP STUDENTS

The right is reserved by the University to drop any student from the University, or from any class or classes, whenever, in the interest of the student or the University, the University Administration deems it advisable to do so.

#### RIGHT TO CHANGE RULES

The University and its various Colleges, Schools, and Divisions reserve the right to modify or change the requirements, rules, and fees of the University. Such regulations shall go into force whenever the proper authorities may determine and shall apply to all students in the University.

## STUDENT LIFE

### LIVING ACCOMMODATIONS

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins.

All women students under twenty-three years of age must have their residences approved by the Director of Personnel Guidance. Registration is not complete until such approval is given.

The Hattie M. Strong Residence Hall is open to women students. Charges for rooms in Strong Hall for the academic year (September 15 to June 1) are as follows: In a single room with breakfast and dinner, \$425.00; in a double room with breakfast and dinner, \$365.50. Arrangements may be made to defray dormitory charges in monthly payments. Forms for application for room reservations, together with detailed information about the dormitory, may be obtained from the Director of Personnel Guidance.

The University has no dormitory for men. For the benefit of men students a register of rooms that have been inspected and approved is kept in the Office of the Director of Personnel Guidance, to whom inquiries in respect to housing facilities should be addressed. Single rooms usually range in price from \$20.00 to \$30.00 a month, and double rooms from \$10.00 to \$20.00 a month a person. Rooms with board consisting of breakfast and dinner cost from \$40.00 to \$50.00 a month a person.

The men's fraternities have houses which provide living accommodations for their members.

### PLACEMENT OFFICE

The Placement Office is maintained to assist graduates and students in finding positions for which their college work has prepared them, and to cooperate with employers who wish to fill vacancies. Enrollment is open to alumni and students of the University without charge for placement.

For further information address the Placement Office.

### STUDENT EMPLOYMENT

An employment service is operated to assist self-supporting students in finding employment.

Prospective students who expect to earn any part of their expenses and who do not have definite appointments to positions before coming to Washington should have the means of support for at least one semester. A minimum budget of \$80 a month is recommended.

Many out-of-town students secure positions in the departments of the Government in Washington by taking the United States Civil Service examinations in their home States. The hours of employment permit them to pursue a college course in the late afternoon and evening.

#### HEALTH ADMINISTRATION

The University maintains a staff of medical officers and a hospital.

The University Physician for Women maintains an office in the University.

The payment of the University fee entitles the student to certain health services described under the Department of Health Administration, page 232.

#### STUDENT ACTIVITIES

Control and direction of all student activities are vested in the Committees on Extracurricular Activities and Student Relationships. For list of student activities and rulings governing them see the special printed regulations of the University.

#### RECOGNITION OF STUDENT ORGANIZATIONS

No student clubs or societies (except social fraternities, sororities, scholastic honor societies, religious or professional clubs or societies) organized as a branch or affiliate of a non-George Washington University organization will be recognized by the Committee on Student Life.

#### UNIVERSITY CHAPEL

The University Chapel is maintained as a non-sectarian expression of the faith of the University in the contribution that religion can make to the education of its students. It is held on Friday of each week at 12:10 P.M. in the West Room of Columbian House.

Students are encouraged to participate in denominational clubs that serve as links between the University and the local churches.

#### ASSEMBLIES

University Assemblies are held from time to time. The attendance of students may be required.

#### PROPERTY RESPONSIBILITY

The University is not responsible for the loss, in any University building, of personal property belonging to students.

For further information, catalogues, and application blanks, address the Director of Admissions.



THE COLLEGES, SCHOOLS, AND DIVISIONS





## THE JUNIOR COLLEGE

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*  
William Crane Johnstone, Jr., Ph.D., *Dean of the Junior College*  
Donnell Brooks Young, Ph.D., *Assistant Dean in the Junior College*

### STAFF OF INSTRUCTION

Thomas Benjamin Brown, Ph.D., *Professor of Physics*  
Henry Grattan Doyle, A.M., *Professor of Romance Languages*  
Robert Fiske Griggs, Ph.D., *Professor of Botany*  
Norris Ingersoll Crandall, M.Arch., *Professor of Art*  
Edward Henry Sehart, Ph.D., *Professor of German*  
Walter Lynn Cheney, Ph.D., *Professor of Physics*  
Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking*  
Elmer Louis Kayser, Ph.D., *Professor of European History*  
Donnell Brooks Young, Ph.D., *Professor of Zoology*  
Warren Reed West, Ph.D., *Professor of Political Science*  
Lowell Joseph Ragatz, Ph.D., *Professor of European History*  
Francis Edgar Johnston, Ph.D., *Professor of Mathematics*  
Benjamin Douglass Van Evera, Ph.D., *Professor of Chemistry*  
William Crane Johnstone, Jr., Ph.D., *Professor of Political Science*  
Claud Max Farrington, A.M., *Professor of Physical Education for Men*  
Arthur Edward Burns, Ph.D., *Adjunct Professor of Economics*  
Merle Irving Protzman, A.M., *Associate Professor of Romance Languages*  
Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages*  
Florence Marie Mears, Ph.D., *Associate Professor of Mathematics*  
Paul William Bowman, Ph.D., *Associate Professor of Biology*  
Raymond John Seeger, Ph.D., *Associate Professor of Physics*  
Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany*  
Wood Gray, Ph.D., *Associate Professor of American History*  
Ralph Dale Kennedy, Ph.D., *Associate Professor of Accounting and Business Administration*  
Audley Lawrence Smith, Ph.D., *Associate Professor of English*

- Douglas Bement, A.M., LL.B., *Associate Professor of English*  
Thelma Hunt, Ph.D., M.D., *Associate Professor of Psychology*  
Harold Friend Harding, Ph.D., *Associate Professor of Public Speaking*  
Ira Bowers Hansen, Ph.D., *Associate Professor of Zoology*  
John Withrow Brewer, Ph.D., *Associate Professor of International Law*  
Carl Douglas Wells, B.D., Ph.D., *Associate Professor of Sociology*  
John Francis Latimer, Ph.D., *Associate Professor of Classical Languages*  
Louis Clark Keating, Ph.D., *Associate Professor of Romance Languages*  
Irene Cornwell, Ph.D., *Assistant Professor of French*  
Henry Goddard Roberts, A.M., *Assistant Professor of Public Speaking*  
Ernest Sewall Shepard, A.M., *Assistant Professor of English*  
DeWitt Clinton Knowles, Jr., M.S., *Assistant Professor of Chemistry*  
Kathryn Mildred Towne, A.M., *Assistant Professor of Home Economics*  
George Winchester Stone, Jr., Ph.D., *Assistant Professor of English*  
Helen Bennett Lawrence, A.M., *Assistant Professor of Physical Education for Women*  
William Henry Myers, A.B., *Assistant Professor of Physical Education for Men*  
Samuel Nathaniel Wrenn, Ph.D., *Assistant Professor of Chemistry*  
Charles Rudolph Naeser, Ph.D., *Assistant Professor of Chemistry*  
Donald Stevenson Watson, Ph.D., *Assistant Professor of Economics*  
John Porter Foley, Jr., Ph.D., *Assistant Professor of Psychology*  
Winfield DeWitt Bennett, A.M., *Assistant Professor of Public Speaking*  
Howard Maxwell Merriman, Ph.D., *Assistant Professor of American Diplomatic History*  
Gretchen Louisa Rogers, Ph.D., *Assistant Professor of German*  
Jenny Emsley Turnbull, A.M., *Assistant Professor of Physical Education for Women*  
Antonio Alonso, A.M., *Assistant Professor of Spanish*  
Bernath Eugene Phillips, A.M., *Assistant Professor of Physical Education for Men*  
Maurice Hart Van Horn, Ph.D., *Assistant Professor of Chemistry*  
Katharine Rogers Adams, Ph.D., *Lecturer in English*  
Edith Elizabeth Mortensen, A.M., *Instructor in Zoology*  
Elizabeth Burtner, A.M., *Instructor in Physical Education for Women*  
Wolfram Karl Legner, Ph.D., *Instructor in German*  
Charles William Cole, Ph.D., *Instructor in English*

- Frederick Annis Hellman, A.M., *Instructor in English*  
 Maurice Harold Irvine, Ph.D., *Instructor in English*  
 John William Wrench, Jr., Ph.D., *Instructor in Mathematics*  
 Albert Santee Kerr, A.M., *Instructor in English*  
 Douglas Ross Angus, A.M., *Instructor in English*  
 Luis Sigfried Quintanilla, L.-ès-L., Diplômé, Ph.D., *Associate in Romance Languages*  
 Myrta Williams Spence, A.B., B.F.A., *Associate in Art*  
 Helen Taylor Hanford, A.M., *Associate in Physical Education for Women*  
 Raul d'Eça, Ph.D., *Associate in Portuguese*  
 Peyton Armstrong Kerr, Ph.D., *Associate in Economics*

COMMITTEES\*

THE DEAN'S COUNCIL†

1941

George Winchester Stone, Jr.  
 Benjamin Douglass Van Evera

1942

Lowell Joseph Ragatz  
 Florence Marie Mears

1943

Harold Friend Harding  
 John Francis Latimer

COMMITTEE ON ADMISSION AND ADVANCED STANDING

Florence Marie Mears, *Chairman*

John Porter Foley  
 Louis Clark Keating

Harold Friend Harding  
 Charles William Cole

COMMITTEE ON SCHOLARSHIP

Henry Goddard Roberts, *Chairman*

John Withrow Brewer  
 John Francis Latimer

Lawson Edwin Yocum  
 Samuel Nathaniel Wrenn

COMMITTEE ON FRESHMAN REGISTRATION

Winfield DeWitt Bennett, *Chairman*

Douglas Bement

Claud Max Farrington

\* The President of the University and the Dean of the Junior College are members ex officio of all committees.

† Elected by the Faculty.



## COMMITTEE ON LIBRARY

Gretchen Louisa Rogers, *Chairman*

Howard Maxwell Merriman

Maurice Hart Van Horn

## COMMITTEE ON DISCIPLINARY RELATIONS

Donnell Brooks Young, *Chairman*

Thelma Hunt

Ernest Sewall Shepard

Merle Irving Protzman

Benjamin Douglass Van Evera

## PREMEDICAL ADVISORY COMMITTEE

Donnell Brooks Young, *Chairman*

Paul William Bowman

Thelma Hunt

Thomas Benjamin Brown

Colin Mackenzie Mackall

## JUNIOR COLLEGE ADVISORY STAFF

William Crane Johnstone, Jr., *Dean of the Junior College*Donnell Brooks Young, *Assistant Dean in the Junior College*Alan Thomas Deibert, *Assistant to the Dean, Adviser to Students from Foreign Countries*Katharine Rogers Adams, *Assistant to the Dean*

## ADVISERS FOR PREPROFESSIONAL CURRICULA

Burnice Herman Jarman (Education), Claud Max Farrington (Physical Education for Men), William Henry Myers (Physical Education for Men), Ruth Harriet Atwell (Physical Education for Women), Helen Bennett Lawrence (Physical Education for Women), William Paul Briggs (Pharmacy), Donnell Brooks Young (Medicine), Kathryn Mildred Towne (Home Economics).

## ADVISERS FOR BACHELOR OF ARTS AND BACHELOR OF SCIENCE CURRICULA

Antonio Alonso, Douglas Bement, Winfield DeWitt Bennett, Paul William Bowman, John Withrow Brewer, Walter Lynn Cheney, Charles William Cole, John Porter Foley, Jr., Harold Friend Harding, Maurice Harold Irvine, Francis Edgar Johnston, Louis Clark Keating, DeWitt Clinton Knowles, John Francis Latimer, Wolfram Karl Legner, Florence Marie Mears, Howard Maxwell Merriman, Edith Elizabeth Mortensen, Charles Rudolph Naeser, Richard Norman Owens, Henry Goddard Roberts, Gretchen Louisa Rogers, Ernest Sewall Shepard, Maurice Hart Van Horn, John William Wrench, Jr., Samuel Nathaniel Wrenn, Lawson Edwin Yocum.

## GENERAL INFORMATION

### INTRODUCTORY

The Junior College curricula are intended to continue the studies of a general cultural nature begun in the secondary schools, and to lay a foundation for the more specialized work which is to follow. During the freshman and sophomore years emphasis is accordingly laid (1) upon the social, cultural, biological, and physical background of civilization (history, political science, physical and biological sciences, literature, etc.) and (2) upon the discipline necessary to the effective prosecution of more advanced work (English rhetoric and composition, foreign languages, mathematics, etc.).

The Junior College also provides the preprofessional work required for admission to the Schools of Medicine, Law, Pharmacy, Education, and Government.

In addition it provides two two-year curricula, leading to the Junior Certificate, which are intended to meet the needs of students who do not look forward to a four-year college course.

### FRESHMAN WEEK

In order to assist students in making adjustments to college work, a special program of orientation is provided for entering freshmen. Each student is given a psychological aptitude test, an English placement test, and a physical examination. The results of these tests provide information for the use of Faculty advisers in assisting the student to make up his program of study and in advising the student during his first two years of college work. In addition, the entering freshmen attend a series of lectures relating to study methods, student activities, and the general organization and regulations of the University. A separate day is set aside for freshman registration in order that full opportunity may be given for the careful planning of the student's college course.

### ADVISORY SYSTEM

In order that students may have opportunities for assistance in planning their courses and also for obtaining personal, educational, and vocational advice in every phase of their academic work during the first two years, a number of members of the Faculty serve as advisers to Junior College students.

Members of the Faculty, selected for their knowledge of Junior College requirements and student programs, advise both incoming freshmen and old students in making up their programs of study for each

semester. A separate staff of experienced advisers under the chairmanship of the Dean assists those students who find it difficult to make adjustments to college life because of scholastic or other reasons. Students who are "warned" or who are on probation may be required to consult these Faculty members at regular intervals. All students are encouraged to consult any members of the Advisory Staff or their instructors about their college problems at any time.

Copies of notices of "warning" or probation will be sent to the parents or guardians of students on request, and the Dean and members of the Advisory Staff are always available for consultation with parents or guardians concerning student problems.

#### ADMISSION

For a statement of the regulations and procedure for admission, see pages 11-15.

#### REGISTRATION

For information and regulations regarding registration, see pages 16-17.

#### FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 18-23.

#### SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University in accordance with instructions stated on page 25.

For particulars regarding scholarships, prizes, and loan funds, see pages 25-36.

#### GENERAL REGULATIONS

*Students in the Junior College are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 11-23 and 37-42.*

#### SCHOLASTIC-APTITUDE TESTS

Students admitted to the Junior College will be required to take the scholastic-aptitude tests of the University.

#### AMOUNT OF WORK

Fifteen or sixteen semester-hours, not including required Physical Education, constitute normal work. Students not on probation may be permitted by the Dean to take seventeen semester-hours.



Students having a total quality-point index of 3.50 may, with the permission of the Dean, take eighteen or nineteen semester-hours. No student may take more than nineteen semester-hours, except with the permission of the Committee on Scholarship.

For employed students working more than twenty-four hours a week, nine semester-hours, not including required Physical Education, constitute normal work. Employed students not on probation may be permitted by the Dean to take ten semester-hours. Employed students having a total quality-point index of 3.50 may be permitted by the Dean to take twelve or thirteen semester-hours.

#### ATTENDANCE

The student is held responsible to the instructor in charge of the course for which he is registered for all the work of the course, and all absences must be excused before provision will be made for him to make up the work missed.

With the exceptions noted below, occasional absences, not to exceed in number for each semester the semester-hours of credit for the semester, will be automatically excused. (If a course has distinct divisions such as lectures, laboratories, recitations, etc., these excuses apply pro rata to such separate divisions.) In applying this rule absences immediately preceding or following holiday periods are to be counted double.

Such automatic excuses are intended to cover the occasional minor exigencies and not to constitute an indiscriminate privilege. Students on probation are allowed no automatic excuses.

Excuses for absences from two or more consecutive class periods, and for absences from examinations which have been announced in advance, can be obtained only by making written application to the Dean of the Junior College. All other absences may be excused by the instructor in charge.

Students whose absences from any class, whether excused or unexcused, are in excess of one fourth of the total number of class periods will receive the grade of *F* for the course, except by special ruling of the Dean on recommendation of the instructor in the course.

#### CLASSIFICATION OF STUDENTS

A student who has satisfactorily completed at least thirty-two semester-hours of work, including eighteen semester-hours' credit in his curriculum requirements, shall be classed as a *sophomore*.

#### COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 169.



### THE JUNIOR CERTIFICATE

Upon the satisfactory completion of the requirements of the Junior College, a Junior Certificate is awarded. This certificate is required for admission to the junior class of Columbian College and to the professional schools which require two years of preprofessional work (see "Curriculum Requirements", below).

#### REQUIREMENTS FOR THE CERTIFICATE

##### SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 38-39.

In order to receive a Junior Certificate a student must have a quality-point index of at least 2.00 on his complete record.

*Honor Roll.*—The names of those students who have a quality-point index of 3.50 or higher on the basis of their complete record will be placed on the honor roll and published. No consideration is given to those who have completed a total of less than fifteen semester-hours. A place on the honor roll does not necessarily mean that the student will receive honors upon graduation.

*Probation.*—Students must maintain a quality-point index of at least 2.00, or they are placed on probation. The cases of students having a quality-point index between 1.50 and 2.00, however, will be considered individually by the Committee on Scholarship, which may retain or remove their probation. A student remains on probation as long as his quality-point index is below 2.00, or until his probation is removed by the committee.

*Dismissal.*—A student who has a total quality-point index below 1.50 will be dropped. The cases of students having a total quality-point index between 1.35 and 1.50, however, will be considered individually by the Committee on Scholarship, which may retain them on probation or drop them.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

For the purpose of these rules, the Summer Sessions are considered a semester.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Admission and Advanced Standing that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students dropped twice for poor scholarship will not be readmitted. (See the University ruling covering dismissal, page 42.)

In the case of students with limited schedules, the foregoing scholarship rules are applied only when the student has undertaken fifteen semester-hours or multiples thereof.

*Warnings.*—At stated intervals during the academic year instructors shall file in the Office of the Registrar the names of those students who are doing work of *D* grade or lower. These "warnings" shall be transmitted to the students concerned and copies forwarded to their respective advisers. Upon request a parent or guardian may receive a copy of a warning notice sent to a student. A warning constitutes notice to the student that he must consult his adviser within a reasonable time and in any case not later than two weeks after receipt of the warning. "Warning periods" are established as follows: First semester—November 1 to 15. Second semester—March 15 to 30. Summer Sessions—six-week courses, third to fourth week; nine-week courses, fourth to fifth week.

#### PHYSICAL EDUCATION

The Physical Education requirement consists of the prescribed assignments (see the announcement of Physical Education courses, pages 279 and 283-84), to be taken in the freshman and sophomore years by all students.

#### CURRICULUM REQUIREMENTS

The following curricula lead to the Junior Certificate and, with the exception of the specialized Junior College curricula, qualify the holder to apply for admission to Columbian College (the senior college) and to the professional schools. Provision is made for certain differentiations to meet the needs of preparing for the several professional fields. Graduation from the Junior College does not, however, automatically admit a student to Columbian College or to a professional school.

A detailed statement of the various Junior College curricula will be found in the table facing pages 60-61.

After selecting a curriculum, a student is not permitted to change to another except with the permission of the Dean and on condition that he fulfill the requirements of the curriculum to which he changes.

The curriculum requirements include at least sixty semester-hours of credit exclusive of Physical Education.

Special placement examinations, required of all entering freshmen, will be conducted by the English Department prior to the regular registration periods in September and February. These examinations will test the student's proficiency in spelling, grammar, punctuation, and sentence structure; his vocabulary; and, through an impromptu theme, his ability to present his ideas in logical sequence with clarity and effectiveness. On the basis of these tests students will be classified as fol-

lows: (1) especially superior students who, by the unanimous decision of the examiners, are regarded as possessing the equivalent discipline of English 1-2 and who, upon payment of the fee required for waiving curriculum requirements (see pages 58-59), may be relieved of the curriculum requirement of the course; (2) students who score "unsatisfactory" and who will be required to take English 0, *Remedial English* (three semester-hours), upon the satisfactory completion of which they will enter English 1-2; and (3) all other students, who will be required to take English 1-2.

The use of correct English, oral or written is required in all of the student's work, not only in his English courses but in all his courses in the Junior College. Any instructor may report any student whose use of English is unsatisfactory to the Dean of the Junior College and the Committee on the Use of English. The Chairman of this Committee shall then arrange with the student to make up his deficiency as soon as practicable. The Chairman shall report to the Dean if the student fails to cooperate and the Dean of the Junior College may hold up the awarding of the Junior Certificate in such cases. If the amount of prescribed work is equivalent to a course, the regular tuition fee will be charged. When the Chairman is satisfied that the student has made up his deficiency, he shall certify this fact to the Dean.

Junior College students may not take second-group courses (courses numbered 101-200) without the written permission of the instructor and of the Dean of the Junior College. A student will not be permitted to postpone a first-group course, required under the curriculum for which he is registered, in order to take a second-group course for elective credit. The principle that first-group courses must be taken in the Junior College years, and advanced courses in Columbian College and the professional schools, will be rigidly adhered to in approving student programs. No student on probation is permitted to take second-group courses (courses numbered 101-200) except by the express permission of the scholarship committee.

A student who wishes to take work at another University for transfer to this University for credit toward his degree must obtain written permission in advance from the Dean.

#### A. THE JUNIOR COLLEGE CURRICULA (TWO YEARS)

I. *General Curriculum.*—This curriculum is intended for students who do not look forward to a four-year college course or to advanced study in the liberal arts or in the sciences. It aims to provide the essential intellectual background of an educated person and to lay the foundations upon which may be built a solid structure of broad knowledge and training for good citizenship.



**II. Business and Secretarial Curriculum.**—This curriculum, when supplemented by adequate training and experience in shorthand, type-writing, office practice, etc., is intended to furnish a fundamental business education in preparation for positions as secretaries and minor business executives.

**B. CURRICULA FOR ADMISSION TO COLUMBIAN COLLEGE**

**I. Curriculum Leading to the Degree of Bachelor of Arts.**—This curriculum comprises the first two years of a standard four-year course in arts and letters, leading to the degree of Bachelor of Arts, which is granted by Columbian College.

**II. Curricula Leading to the Degree of Bachelor of Science.**—These curricula constitute two-year courses with emphasis upon the sciences. Students intending to study in Columbian College for the degree of Bachelor of Science in Biology, Botany, Geology, or Zoology should follow curriculum B-II-a. Those desiring the degree of Bachelor of Science in Chemistry, Mathematics, or Physics should follow curriculum B-II-b.

**C. CURRICULA FOR ADMISSION TO THE SCHOOL OF EDUCATION**

**I. Curriculum Leading to the Degree of Bachelor of Arts in Education.**—This curriculum covers the required college work for entrance to the School of Education. The requirements may be modified in some instances on the basis of the work presented for entrance.

**II. Curriculum Leading to the Degree of Bachelor of Science in Home Economics.**—This curriculum covers the first two years of preparation for majors in Home Economics, leading to the degree of Bachelor of Science in Home Economics.

**III-IV. Curricula Leading to the Degree of Bachelor of Science in Physical Education.**—These curricula cover the first two years of a four-year course in Physical Education for Men and Physical Education for Women, leading to the degree of Bachelor of Science in Physical Education.

**D. CURRICULUM FOR ADMISSION TO THE SCHOOL OF GOVERNMENT**

This curriculum covers the work required for entrance to the following curricula which are offered in the School of Government: Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, and Public Accounting.

**E. CURRICULUM FOR ADMISSION TO THE SCHOOL OF PHARMACY**

This curriculum covers the required college work for entrance to the School of Pharmacy and comprises the first two years of a four-year course leading to the degree of Bachelor of Science in Pharmacy.



## F. CURRICULUM FOR ADMISSION TO THE SCHOOL OF MEDICINE

This curriculum covers the required college work for entrance to the School of Medicine and satisfies the requirements of the first two years of the combined curriculum leading to the degrees of Bachelor of Arts and Doctor of Medicine (see pages 70 and 102).

The Premedical Advisory Committee, through the premedical advisers, assists premedical students in arranging their programs so that they may obtain a sound educational background and at the same time meet requirements for medical schools. The committee also serves as a means of furnishing medical schools with information other than scholastic pertaining to students who wish to apply to such schools for admission.

## FOREIGN-LANGUAGE REQUIREMENTS

The curriculum requirement in foreign languages is articulated with the admission requirements. For the Junior Certificate a student must have completed satisfactorily the equivalent of two years of college work in a single foreign language.

A student offering for admission four acceptable high school units of a single foreign language, or the equivalent, is not required to take any foreign language. If he offers three units, he must complete the second semester of the second-year college course in the same language. If he offers two units, he must complete the entire second-year college course in the same language. If he offers one unit, he must complete the second semester of the first-year college course and the entire second-year course in the same language. A student who offers irregular or inadequate preparatory work in a given language, or who has permitted a year or more to elapse since the completion of the second high school unit, must consult the executive officer of the department in question for assignment to proper courses. On written recommendation of the proper executive officer, and with the approval of the Dean of the Junior College, a student may repeat for credit a language course taken in high school.

In some instances foreign languages are required or recommended as a preparation for advanced work in Columbian College and the professional schools. Students should consult their advisers as to these requirements, so that appropriate foreign languages may be included, when necessary, in their Junior College programs.

## EXAMINATIONS FOR WAIVING CURRICULUM REQUIREMENTS\*

A student desiring to omit a required course may take such examination as the department prescribes, and, on passing satisfactorily, he may

\* This provision does not apply to premedical students, all of whose required premedical work must be taken in a recognized college of arts and sciences.

be relieved of the curriculum requirements in that subject and may qualify for registration in an advanced course. Passing of this examination shall not entitle the student to any hours of credit toward the degree. Students desiring to take such examinations should make the request of the Dean.

A fee of \$5 for each examination is to be paid at the Office of the Comptroller and the receipt exhibited at the door of room 27, Corcoran Hall, on September 17 at 2:00 P.M. for the first semester, and on February 3 at 2:00 P.M. for the second semester. Two hours will be allowed for the examination. Should a student wish to take more than one examination, arrangements will be made accordingly.

#### HONORS

Honorable mention with the Junior Certificate may be granted to those students who have a total quality-point index of 3.50 or higher.

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TION FOR ADMISSION TO THE PROFESSIONAL SCHOOLS

C-IV. PHYSICAL EDUCATION FOR WOMEN			D. GOVERNMENT		
FRESHMAN YEAR	SOPHOMORE YEAR		FRESHMAN YEAR	SOPHOMORE YEAR	
English 1, 2..... 6	English 31-32, 71-72, or 91-92 11 6		English 1, 2..... 6		
			French, German, Spanish, or elective. <sup>1</sup>	6	French, German, Spanish, or elective. <sup>1</sup> 6
History, Political Science, or Sociology. 6			History 39-40 <sup>2</sup> , Political Science 9-10. 6	6	History 71-72 <sup>3</sup> ... 6 Economics 1-2.... 6
Zoology 1-2... 8	Zoology 141X..... 3		Botany, Botany, Chemistry, Geology, Mathematics, Physics, Statistics, or Zoology. <sup>4</sup> 6 or 8	Botany 1.... Chemistry 11, Physics 11X...	
Physical Education 13, 14, 19-20. 6	Physical Education 15-16, 18, Psychology 1, 22. 6			Business Administration 51 52. <sup>6</sup> 6	
Academic..... 6	Academic <sup>5</sup> ..... 6			Pharmacy 1-2.	
14	32		32 or 34		32

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\* In order to obtain a broader background, students desiring to change from the two-year course to the extended A.B.-M.D. curriculum after the first year may postpone one year of course in the third year and then take a supplementary course in its place.

✓ See *Journal of the American Medical Association*, 1954, 157: 1000-1001.

10 See footnote 2, *supra*.

<sup>11</sup> See footnote 7, *overleaf*.

E. PHARMACY				F. MEDICINE <sup>2</sup>			
YEAR		SOPHOMORE YEAR		FRESHMAN YEAR		SOPHOMORE YEAR	
...	6			English 1, 2.....	6		
an.	6			French, German, or Spanish. <sup>1</sup>	6	French, German, Spanish, or elec- tive. <sup>1</sup>	6
...	3	Chemistry 151-52	8	Chemistry 11, 12 <sup>9</sup> .	8	Chemistry 151-52 <sup>9</sup>	8
13	8	Zoology 1-2.....	8	Physics 12, 13 <sup>10</sup> ...	6	Physics 14 <sup>10</sup> .....	2
...	3			Zoology 1-2.....	8		
...	4	Pharmacy 21, 22, 23, 24.	14				
							14
	2		2		2		2
		32		36		32	

## COLUMBIAN COLLEGE

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*  
Henry Grattan Doyle, A.M., *Dean of Columbian College*

### STAFF OF INSTRUCTION

Ray Smith Bassler, Ph.D., Sc.D., *Professor of Geology*  
\*DeWitt Clinton Croissant, Ph.D., *Professor of English*  
Thomas Benjamin Brown, Ph.D., *Professor of Physics*  
Henry Grattan Doyle, A.M., *Professor of Romance Languages*  
Robert Fiske Griggs, Ph.D., *Professor of Botany*  
John Donaldson, Ph.D., *Professor of Political Economy*  
Norris Ingersoll Crandall, M.Arch., *Professor of Art*  
Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry*  
Edward Henry Schrt, Ph.D., *Professor of German*  
Robert Whitney Bolwell, Ph.D., *Professor of American Literature*  
Walter Lynn Cheney, Ph.D., *Professor of Physics*  
James Henry Taylor, Ph.D., *Professor of Mathematics*  
Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking*  
Elmer Louis Kayser, Ph.D., *Professor of European History*  
Donnell Brooks Young, Ph.D., *Professor of Zoology*  
Frank Mark Weida, Ph.D., *Professor of Statistics*  
Warren Reed West, Ph.D., *Professor of Political Science*  
Edward Teller, Ph.D., *Professor of Physics*  
Lowell Joseph Ragatz, Ph.D., *Professor of European History*  
Francis Edgar Johnston, Ph.D., *Professor of Mathematics*  
Benjamin Douglass Van Evera, Ph.D., *Professor of Chemistry*  
William Crane Johnstone, Jr., Ph.D., *Professor of Political Science*  
Mitchell Dreese, Ph.D., *Professor of Educational Psychology*  
James Christopher Corliss, A.M., *Adjunct Professor of Inter-American  
Economics*  
Arthur Edward Burns, Ph.D., *Adjunct Professor of Economics*  
Merle Irving Protzman, A.M., *Associate Professor of Romance  
Languages*

\* On sabbatical leave 1940-41.



- John Albert Tillema, Ph.D., LL.M., S.J.D., *Associate Professor of Political Science*
- Alva Curtis Wilgus, Ph.D., *Associate Professor of Hispanic American History*
- Courtland Darke Baker, Ph.D., *Associate Professor of English*
- Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages*
- Florence Marie Mears, Ph.D., *Associate Professor of Mathematics*
- Paul William Bowman, Ph.D., *Associate Professor of Biology*
- Raymond John Seeger, Ph.D., *Associate Professor of Physics*
- Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany*
- Christopher Browne Garnett, Jr., Ph.D., Litt.D., *Associate Professor of Philosophy*
- Wood Gray, Ph.D., *Associate Professor of American History*
- Audley Lawrence Smith, Ph.D., *Associate Professor of English*
- Douglas Bement, A.M., LL.B., *Associate Professor of English*
- Thelma Hunt, Ph.D., M.D., *Associate Professor of Psychology*
- Harold Friend Harding, Ph.D., *Associate Professor of Public Speaking*
- Ira Bowers Hansen, Ph.D., *Associate Professor of Zoology*
- Edward Campion Acheson, Ph.D., *Associate Professor of Finance*
- John Withrow Brewer, Ph.D., *Associate Professor of International Law*
- Donald Chenoweth Kline, B.Arch., *Associate Professor of Art*
- Carl Douglas Wells, Ph.D., *Associate Professor of Sociology*
- John Francis Latimer, Ph.D., *Associate Professor of Classical Languages*
- Louis Clark Keating, Ph.D., *Associate Professor of Romance Languages*
- Henry Goddard Roberts, A.M., *Assistant Professor of Public Speaking*
- Ernest Sewall Shepard, A.M., *Assistant Professor of English*
- DeWitt Clinton Knowles, Jr., M.S., *Assistant Professor of Chemistry*
- George Winchester Stone, Jr., Ph.D., *Assistant Professor of English*
- Steuart Henderson Britt, Ph.D., *Assistant Professor of Psychology*
- Samuel Nathaniel Wrenn, Ph.D., *Assistant Professor of Chemistry*
- Charles Rudolph Naeser, Ph.D., *Assistant Professor of Chemistry*
- Donald Stevenson Watson, Ph.D., *Assistant Professor of Economics*
- John Porter Foley, Jr., Ph.D., *Assistant Professor of Psychology*
- Fred Salisbury Tupper, Ph.D., *Assistant Professor of English*
- Howard Maxwell Merriman, Ph.D., *Assistant Professor of American Diplomatic History*
- Maurice Hart Van Horn, Ph.D., *Assistant Professor of Chemistry*

## COMMITTEES\*

## THE DEAN'S COUNCIL†

1941

Benjamin Douglass Van Evera  
Christopher Browne Garnett, Jr.

1942

James Henry Taylor  
Courtland Darke Baker

1943

Willard Hayes Yeager  
John Porter Foley, Jr.

## COMMITTEE ON ADMISSION AND ADVANCED STANDING

Wood Gray, *Chairman*Ira Bowers Hansen, *Secretary*

Frank Mark Weida

Ernest Sewall Shepard

Paul William Bowman

Samuel Nathaniel Wrenn

Howard Maxwell Merriman

## COMMITTEE ON STUDIES

The Dean of the College, *Chairman*

John Francis Latimer

Leland Wilbur Parr

*(Languages and Literatures)**(Natural Sciences)*

Thomas Benjamin Brown

Howard Maxwell Merriman

*(Mathematics and Physical  
Sciences)**(Social Sciences)*

## COMMITTEE ON SCHOLARSHIP

Audley Lawrence Smith, *Chairman*

Carl Douglas Wells

Charles Rudolph Naeser

## COMMITTEE ON LIBRARY

George Winchester Stone, Jr., *Chairman*

Louis Clark Keating

Steuart Henderson Britt

\* The President of the University and the Dean of Columbian College are members *ex officio* of all committees.

† Elected by the Faculty.

## COMMITTEE ON DISCIPLINARY RELATIONS

Benjamin Douglass Van Evera, *Chairman*  
 Donnell Brooks Young                      Lowell Joseph Ragatz  
 Frank Mark Weida                              Florence Marie Mears

## DIVISIONAL ORGANIZATION

## LANGUAGES AND LITERATURES

Merle Irving Protzman, *Chairman*  
 Fred Salisbury Tupper, *Secretary*

## EDUCATIONAL COMMITTEE

John Francis Latimer, *Chairman*  
 Audley Lawrence Smith                      Alan Thomas Deibert

## MATHEMATICS AND THE PHYSICAL SCIENCES

Frank Mark Weida, *Chairman*  
 John William Wrench, Jr., *Secretary*

## EDUCATIONAL COMMITTEE

Thomas Benjamin Brown, *Chairman*  
 Frank Mark Weida                              Francis Edgar Johnston

## NATURAL SCIENCES

Robert Fiske Griggs, *Chairman*  
 Edith Elizabeth Mortensen, *Secretary*

## EDUCATIONAL COMMITTEE

Leland Wilbur Parr, *Chairman*  
 Lawson Edwin Yocum                              John Porter Foley, Jr.

## SOCIAL SCIENCES

Christopher Browne Garnett, Jr., *Chairman*  
 John Withrow Brewer, *Secretary*

## EDUCATIONAL COMMITTEE

Howard Maxwell Merriman, *Chairman*  
 Willard Hayes Yeager                              Donald Stevenson Watson



## GENERAL INFORMATION

## INTRODUCTORY

Columbian College was founded in 1821, during the Presidency of James Monroe. A charter was obtained from Congress establishing "The Columbian College in the District of Columbia" for the "sole and exclusive purpose of educating youth in the English, learned and foreign languages, the liberal arts, sciences and literature", with full power to confer all degrees "usually granted and conferred in colleges".

Since the founding of old Columbian College, many other Schools and Divisions have been established to form the present George Washington University. In 1930 the name "Columbian College" was bestowed upon the senior college.

## ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 11-15.

Special students and auditors are referred to the Division of University Students.

## FOR THE BACHELOR'S DEGREES

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Bachelor of Arts must present a Junior Certificate based on curriculum A-1 or B-1 in the Junior College, or the equivalent (see pages 56 and 57 and table facing pages 60-61). Students taking the combined Arts and Medicine curriculum are subject to this regulation, and must include all the special premedical requirements (see pages 96-97).

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Bachelor of Science must present a Junior Certificate based on curriculum B-11-a (Biology, Botany, Geology, or Zoology) or B-11-b (Chemistry, Mathematics, or Physics) in the Junior College, or the equivalent (see page 57 and table facing pages 60-61).

## FOR THE MASTER'S DEGREES

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Master of Arts must present a baccalaureate degree in liberal arts and sciences from an accredited institution and a transcript of the studies previously pursued. Students from unaccredited institutions may be admitted at the discretion of the Committee on Admission and Advanced Standing, but such students are required to take such extra work above the minimum requirements as may be prescribed. In case the student's undergraduate curriculum

did not include a program of study substantially equivalent to a major in his chosen field, together with an appropriate distribution of courses in other fields, he must complete this prerequisite work in addition to that required for the Master's degree.

For the degree of Master of Science, graduates of accredited colleges or universities with a baccalaureate degree representing at least four years' work on the collegiate level may be admitted, provided that they have the equivalent of the undergraduate major of the scientific department under which they desire to work. The requirements for the post-baccalaureate work for the degree of Master of Science are the same as for the degree of Master of Arts.

#### REGISTRATION

For information and regulations regarding registration, see pages 16-17.

#### FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 18-23.

#### FELLOWSHIPS, SCHOLARSHIPS, PRIZES, LOAN FUNDS

Details regarding qualifications and application for fellowships will be found on pages 24-25.

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University in accordance with instructions stated on page 25.

For particulars regarding scholarships, prizes, and loan funds, see pages 25-36.

#### DIVISIONAL ORGANIZATION

The instructional organization of Columbian College is contained in the divisions. The divisional and departmental officers administer the educational requirements for students majoring within the divisions. (See pages 6-7.)

#### INDEPENDENT STUDY PLAN

Under the independent study plan a student of demonstrated capacity, with special interest in the subject matter of a course, may be permitted to undertake independent study under the personal direction of an instructor, in accordance with the rules of the division in which the subject falls. Credit under this plan is limited to the specific course-credits as designated in the list of courses of instruction in this CATALOGUE.

## GENERAL REGULATIONS

*Students in Columbian College are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 11-23 and 37-42.*

## AMOUNT OF WORK

Full-time students who are not on probation may take ordinarily not more than seventeen semester-hours. Students employed more than twenty-four hours a week, who are not on probation, may take not more than ten semester-hours.

Full-time students whose quality-point index is 3.50 or higher may take not more than nineteen semester-hours. Employed students who meet the same standard may take not more than twelve semester-hours.

A student previously unemployed who accepts employment subsequent to registration or at any time during a semester is required to report that fact immediately to the Dean, in order that adjustments in schedule may be made, if necessary, to bring his program within the Faculty's limitations upon the amount of work to be carried by employed students.

## ATTENDANCE

The student is held responsible for all the work of the courses in which he is registered, and all absences must be excused by the instructor in charge before provision is made for the student to make up the work missed.

## CLASSIFICATION OF STUDENTS

A student who has completed less than thirty semester-hours in Columbian College, and who has registered his major at the Office of the Registrar, is classed as a *junior*. A student who has completed thirty semester-hours in Columbian College, including at least one course in his major, is classed as a *senior*. A student who has satisfactorily completed the work for the baccalaureate degree, and whose program of study has been approved and filed in the Office of the Registrar, is classed as a *master in course*.

## COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 169.

## THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of Columbian College, the degree of Bachelor of Arts or Bachelor of



Science is conferred. In cooperation with the School of Medicine a seven-year curriculum leading to the combined degrees of Bachelor of Arts and Doctor of Medicine is offered.

## REQUIREMENTS FOR THE DEGREES

### RESIDENCE

A minimum of one year, i.e., thirty semester-hours, must be completed in residence in Columbian College. Summer Sessions work may be counted in residence, but in no case may be the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean to pursue work elsewhere, the work of the senior or final year must be completed in residence.

Students planning to attend summer-school sessions at other institutions and desiring to count credits so obtained toward degrees in Columbian College must first obtain the written approval of the Dean. In no event will such credits be recognized to an amount in excess of that which might be earned in a similar period in this University. No credit is given for work done by correspondence or in home-study courses.

### SCHOLARSHIP

The system of grading of computing scholarship is described in detail on pages 38-39.

In order to graduate, a student must have a general quality-point index of at least 2.00. In addition, he must have a quality-point index of at least 2.50 in his major subject. Grades in courses taken at other institutions are not considered in computing the quality-point index.

In computing the quality-point index in the major, all second-group and third-group courses in the major field taken at The George Washington University are included, even though minimum requirements for the major may have been exceeded. Grades received in first-group courses are not considered.

*Probation.*—Students must maintain a quality-point index of at least 2.00, or they are placed on probation. Students remain on probation as long as their quality-point index on all work taken is below 2.00.

*Suspension.*—Students who have a quality-point index below 1.00 or who are placed on probation for a third semester, whether successive or after an interval, are suspended.

Students suspended for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Admission and Advanced Standing that during his absence from the University he has so conducted himself as to indicate that he will profit by readmis-

sion. Students suspended twice for poor scholarship are not readmitted. (See the University ruling covering dismissal, page 42.)

For the purpose of these rules, the Summer Sessions are considered a semester.

In the case of students with limited schedules, the foregoing scholarship rules are applied only when the student has undertaken fifteen semester-hours or more.

### USE OF ENGLISH

The use of correct English, oral or written, is required in all the student's work, not only in English courses but in all courses. It shall be the duty of instructors to report any student whose English is unsatisfactory to the Dean of Columbian College and to the Chairman of the Committee on the Use of English. It shall be the duty of the Chairman to summon the student and to arrange with him to make up his deficiency as soon as is practicable. If the student fails to co-operate, the Chairman shall report the student to the Dean of Columbian College, who will have discretionary power to hold up the granting of the student's degree. When the Chairman is satisfied that the student has made up his deficiency, he shall certify this fact to the Dean of Columbian College. If the amount of prescribed work is equivalent to a course, the regular tuition fee will be charged.

### CURRICULUM REQUIREMENTS

Every candidate for graduation must satisfy one of the curricula listed below leading to the degree of Bachelor of Arts or Bachelor of Science. The curriculum requirements include at least sixty semester-hours of credit beyond that of the Junior College. Not more than twelve semester-hours of professional courses (approved by the Dean of Columbian College) may be counted toward the Bachelor's degrees in Columbian College.

After selecting a curriculum, a student may not change to another except by permission of the Dean and on condition that he fulfill the requirements of the curriculum to which he changes.

The freshman and sophomore years of each curriculum will be found in the announcement of the Junior College.

In the case of curricula B-I, B-II-a, and B-II-b in Columbian College, the requirements (including prerequisites) for the major in the several departments of instruction are stated immediately preceding the announcement of courses offered (see pages 160-327). The first year of Medicine satisfies the requirements for the major in the combined Arts and Medicine curriculum.

First-group courses may be required as prerequisites to undergraduate-major or Master's programs, but because of their introductory character may not be counted as part of such programs. (See "Explanation of Course Numbers", pages 171-72.)

Students are required to select and file with the Registrar a choice of major upon entering Columbian College. Students may change the major only with the consent of the Dean and of the department or division concerned.

When a student changes his curriculum or his major, he must meet the requirements for the curriculum or major to which he changes as of the date when the change is approved by the Dean.

Beginning with the academic year 1937-38, undergraduate majors in certain designated fields of study have been offered under a new plan of study, a statement of which will be found on pages 71-78.

#### BACHELOR OF ARTS

**B-I.\* *General Curriculum.***—The work of the junior and senior years, including a major, must be approved by the major department or division and by the Dean.

**G.\* *Combined Curriculum: Bachelor of Arts and Doctor of Medicine.***—This curriculum contemplates three years of collegiate study (the last thirty semester-hours of which must be taken in Columbian College) and four years in the George Washington University School of Medicine. Students wishing to avail themselves of the opportunity afforded by the combined curriculum must obtain the approval of the Dean of Columbian College at the time of entering the School of Medicine. Upon the completion of the first year of the regular curriculum in the School of Medicine, and upon the recommendation of its Dean, the degree of Bachelor of Arts will be conferred. The entire work must be upon the scholarship level required for graduation. Credit is not given for professional work taken in another institution.

#### BACHELOR OF SCIENCE

The work of the junior and senior years, including a major in one of the sciences mentioned below, must be approved by the major department or division and by the Dean.

**B-II-a.\* *Biology, Botany, Geology, and Zoology Curriculum.***—Geology 21-22 must be taken if not elected earlier.

**B-II-b.\* *Chemistry, Mathematics, and Physics Curriculum.***—If Botany has been elected earlier, Geology 21-22 or Zoology 1-2 must be taken. If Geology has been elected earlier, either Botany 1 and 2 or Zoology 1-2 must be taken.

\* See the table of the Junior College curricula, facing pages 60-61.



## EXAMINATIONS FOR WAIVING CURRICULUM REQUIREMENTS

A student desiring to omit a required or prerequisite course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum or prerequisite requirement in that subject and may qualify for registration in an advanced course. Passing of this examination shall not entitle the student to any hours of credit toward the degree. Students desiring to take such examinations should make the request of the Dean.

A fee of \$5 for each examination is to be paid at the Office of the Comptroller and the receipt exhibited at the door of room 27, Corcoran Hall, on September 17 at 2:00 P.M. for the first semester, and on February 3 at 2:00 P.M. for the second semester. Two hours will be allowed for the examination. Should a student wish to take more than one examination, arrangements will be made accordingly.

## THE NEW PLAN OF STUDIES

As part of the administrative readjustment of the University's program effected in 1930, the work of the freshman and sophomore years was made a separate unit and assigned to the Junior College, while the junior and senior years were retained in Columbian College. As a further step, the year of study leading to the Master's degree was separated from the graduate work for the Doctor's degree (now administered by the Graduate Council) and assigned to Columbian College. This innovation was accompanied by the establishment of a carefully controlled independent study plan. At the same time, the divisional type of educational organization was adopted, which distinguishes between the instructional organization of the University and its administrative organization and which is based upon such factors as the relationship of content, the interrelation of methods and prerequisites, and similarity of background and viewpoint. Divisions are not, however, considered as unrelated and self-sufficient. It is recognized that many contacts between divisions arise, and the full value of the organization, both for the instructors and for the students, is realized only to the extent that such contacts are fostered and improved.

The purpose of Columbian College is to round out the program of liberal education begun in the Junior College, and to bring to a focus educationally the individual talents and aptitudes of the student of liberal arts. The program involves a comprehensive survey of a field of study, together with such knowledge of other fields as will contribute to the general intellectual development of the student.

Courses open to students in the arts and sciences are offered under the following twenty-three departments: Art, Bacteriology, Biochemistry, Biology, Botany, Chemistry, Classical Languages and Literatures, Economics, English, Geology, Germanic Languages and Literatures, History, Mathematics, Philosophy, Physics, Physiology, Political Science, Psychology, Public Speaking, Romance Languages and Literatures, Sociology, Statistics, and Zoology. Under approved conditions, liberal arts students may also elect courses in certain other departments.

The George Washington University plan of educational sequence in the liberal arts and sciences extends from the elementary collegiate discipline of the Junior College, through the studies for the baccalaureate degree of Columbian College, to the Master of Arts discipline, likewise in Columbian College. A well-rounded undergraduate major supported by studies in related fields provides the core of the Columbian College program, the culmination of which is the Master of Arts discipline.

In order to carry out the fundamental educational philosophy of this program and to give practical effect to its aims and objectives, a new plan has been set up for the administration both of the undergraduate major and of the Master's work. Under it, emphasis is definitely placed upon fields of study and upon knowledge of their content, rather than upon the mere accumulation of course-credits. This program is described in detail below.

The new plan went into effect with the opening of the academic year 1937-38, but for the present, *undergraduate majors* under the new plan are offered only in certain designated fields of study. As additional majors are defined and the corresponding techniques and facilities developed, the plan will be extended to other fields of study. Students will be free, of course, to choose majors under either the old or the new plan in accordance with their tastes and interests; but for fields of study in which specific majors have been established under the new plan, the provisions of the old plan will apply only to students previously registered as candidates for the degree with majors in these fields.

### THE UNDERGRADUATE MAJOR

Students in Columbian College pursuing courses in the general curricula leading to the degrees of Bachelor of Arts and Bachelor of Science must complete an undergraduate major. The requirement for the satisfaction of an undergraduate major is the completion of a consistent plan of study, as demonstrated by the passing of a written examination in the subject or field of the major. The divisions also may establish additional tests suitable to the subject matter or skills on which candidates are examined. Although the minimum requirements for the Bachelor's degrees will still include completion of courses carrying a



specific number of credit-hours, the requirement for the major is not stated in terms of semester-hours or of definite courses.

#### DEFINITION OF THE UNDERGRADUATE MAJOR

An undergraduate or baccalaureate major may be defined as a co-ordinated study of the content and method of a field of knowledge. Although generally confined to a single department of instruction (which is the field of study), a major may also be taken in a group of closely related subjects, or in some important and integral subdivisions of a departmental program. In other words, a major may be offered by a single department, or in a group of related studies involving more than one department, or even more than one division; or one department may offer more than one major field of study within itself.

The objective of the major is to make certain that the student shall have, at the time of his graduation, the skill and knowledge of a field of learning, enlarged and strengthened by studies in related subjects, so that he may, with conviction and understanding, meet the activities and interests of modern life.

Study for the major, however, is not intended to displace the ideal of a liberal education. The student is advised against overspecialization, protected from undue encroachment upon his time and energy by major requirements, and given opportunity for the broadening of his knowledge throughout the undergraduate discipline. In order to assure this, at least twenty-four semester-hours of course work must be taken in subjects not included in the major. Responsibility for carrying out this provision rests with the major adviser, by whom all courses taken by the student in Columbian College will be approved.

#### ADMINISTRATION OF THE MAJOR

All majors are subject to the approval and supervision of the division in which the major field is classified. The professor or adviser of the field of study will formulate the contents of the major, which will be submitted through the Educational Committee to the division. All majors are intended to be comparable; that is, they should have the same general proportion in relation to the whole undergraduate academic program, and should maintain similar standards of achievement.

#### PROSEMINAR IN THE MAJOR

For the convenience of the student a proseminar course is offered in each field of study, under the supervision of the division in which the major is taken. This course, planned and administered by the professor or adviser of the major subject, will advise, guide, and instruct the student in his reading, study, laboratory exercises, and the like, in



order to assist him in gaining a coordinated knowledge of his field. This course is not a definite requirement; registration in it is voluntary on the part of the student. Six semester-hours' credit, but no qualitative grade, may be assigned. When registered in this course the student will have the privilege of visiting any other course offered in the college. This proseminar is not intended as a "cramming course". Its objective is to present the content and methods of the major field as a whole by organizing and coordinating the knowledge obtained in the various formal courses in the major subject, as well as by suggesting material not usually included in such courses.

Proseminars in the new-type major fields are open only to students who have been accepted as candidates under the respective new-type majors. These proseminars may not be taken as electives nor will credit for them be granted to students with majors in other fields.

#### THE MAJOR EXAMINATION

The major examination will normally be taken by the student at the close of the senior year; in the case of students on limited schedule, the major examination may be taken not earlier than one calendar year before graduation. Students who fail to pass a major examination may, at the discretion of the Columbian College Committee on Studies, be re-examined at a later regular major-examination period. The Educational Committees of the respective divisions will have general supervision of the preparation, reading, and grading of major examinations. Major examinations will be held in each regular semester and, with the permission of the Committee on Studies, at the conclusion of the Summer Sessions. Examinations will be held on dates fixed by the respective Educational Committees, but in no case later than January 15 for the first semester, May 15 for the second semester, and August 7 for the Summer Sessions.

#### NEW-TYPE UNDERGRADUATE MAJORS OFFERED IN 1940-41

Eleven new-type majors are offered in 1940-41, as follows:

1. *American Thought and Civilization*
2. *International Relations*
3. *English Literature*
4. *Statistics*
5. *Biology*
6. *Philosophy*
7. *History*
8. *Zoology*

9. *French Literature*
10. *Spanish Literature*
11. *Spanish American Literature*

On the basis of techniques developed and experience gained in the administration of these majors, additional new-type majors will gradually be introduced until all majors offered in Columbian College conform to the new plan. In the meantime, old-type majors will continue to be offered, until further notice, in Art, Botany, Chemistry, Classical Languages and Literatures, Economics, Geology, Germanic Languages and Literatures, Mathematics, Physics, Political Science, Psychology, Public Speaking, and Sociology. Students who have already begun work on old-type majors in Biology, French, English, History, Philosophy, Spanish, Statistics, and Zoology will of course be permitted to complete their majors under the old plan if they wish; but new candidates for majors in these fields will be subject to the new requirements.

Of the new-type majors offered, two, those in International Relations and in Biology, extend broadly over the work of their respective divisions, and another, that in the field of American Thought and Civilization, involves studies in two divisions, those of Languages and Literatures and of Social Sciences. The other majors, with the exception of the major in Spanish American Literature, replace old-type majors in their respective fields.

A special bulletin containing a detailed description of the new-type undergraduate majors is available at the Office of the Dean of Columbian College.

#### THE DEGREE OF MASTER OF ARTS OR MASTER OF SCIENCE

Upon the satisfactory completion of the graduate requirements of Columbian College, the degree of Master of Arts or Master of Science is conferred.

#### DEFINITION OF THE MASTER'S WORK

The purpose and function of study leading to the degree of Master of Arts or Master of Science is to give the student a comprehensive survey of a field of knowledge. This study involves the continuation of the cultural elements provided for in the undergraduate major and a greater acquaintance with scholarly methods.

The basis for granting the degree is the completion of a consistent plan of study, as demonstrated by the successful passing of a written examination (together with such other examinations involving special skills or techniques as the department or the division may require) and by the presentation of a satisfactory thesis.

The student must satisfy certain minimum requirements as to previous preparation, residence, ability to read an approved modern foreign (European) language, and courses taken; but these requirements, while essential, are regarded primarily as qualifying measures. The student's knowledge of his field, as demonstrated by his thesis and by the results of his Master's examination, constitutes the fundamental evidence of his worthiness to receive the Master's degree of The George Washington University.

#### ADMISSION

For a statement of admission requirements, see pages 65-66.

#### RESIDENCE

An academic year of residence in Columbian College is required, i.e., completion of a minimum of thirty semester-hours of work including the thesis, which is counted as the equivalent of six semester-hours of course work. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than twenty-seven weeks. Not more than twelve semester-hours (which must be approved in advance by the Dean of Columbian College) may be taken in another School or Division of this University, and such work may not be counted toward both a degree in that School or Division and the Master's degree in Columbian College. No part of the minimum requirement may be taken elsewhere. All work for the degree of Master of Arts or Master of Science shall be completed within a maximum of three years, unless the Dean's Council considers the circumstances so unusual as to justify an extension of time.

Courses numbered from 1 to 100 may not ordinarily be credited toward the Master's degree, but may in certain instances be required as a basis for advanced work. (See "Explanation of Course Numbers", pages 171-72.)

#### SCHOLARSHIP

A student whose scholarship is unsatisfactory may be suspended by the Dean upon recommendation of the division under which the student is working. Regarding the system of grading, see pages 38-39.

#### PROGRAM OF STUDY

The student's program of study shall be outlined in detail at the beginning of his work, and one copy of the program shall be given to the student, one retained by the adviser, and one filed in the Office of the Registrar. Each program is subject to the approval of the department and division. Programs may be revised as occasion requires, but revisions shall be made from the point of view of the program as a whole,



and copies of the revised program distributed as in the case of the original program.

A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree is strongly advised so to plan his program from the beginning that work for the lower degree may help to prepare him for the higher.

For a statement of requirements under the new plan of study, see pages 75-76.

Particular attention is called to the statement of graduation requirements on pages 39-40.

#### ADMISSION TO CANDIDACY

A student shall be admitted to candidacy, at the discretion of the department and the division concerned, before he begins the last half of his work for the Master's degree. Application for admission to candidacy is made on a form obtained at the Office of the Registrar, and must be approved by the appropriate representative of the division and by the Dean. If a prospective candidate, in his previous academic work, has not substantially satisfied the prerequisites for the Master's degree, including the undergraduate major, as defined by the appropriate department or division, he will not be admitted to candidacy until such deficiency has been made up.

Before being admitted to candidacy the student must also show that he has a reading knowledge (certified by the appropriate foreign-language department) of at least one modern foreign (European) language, which shall be selected by the division under which he is studying. A student whose field is a modern foreign language or literature may not offer that language in satisfaction of the reading-knowledge requirement. Examinations in modern foreign languages will be given on Saturday, October 5, Saturday, February 8, and Saturday, May 3, at 2:00 P.M. In exceptional circumstances the respective departments will arrange for examinations at other times.

#### THE MASTER'S THESIS

The thesis may be of a research, expository, critical, or creative type. The main purpose of a Master's thesis is to demonstrate the student's ability to make independent use of the information and training acquired through his other disciplines, and to furnish objective evidence of his constructive powers in his chosen field. The thesis must be registered for not later than the beginning of the final year of preparation unless the professor in charge of the thesis permits registration at the beginning of the final semester. For this purpose the nine weeks' term of the Summer Sessions is considered a semester. The choice of the thesis

subject must be approved by the professor in charge of the student's field and recorded in the Office of the Registrar by the date announced in the University calendar. Registration for the thesis is ordinarily made on the basis of three semester-hours for two successive semesters. In exceptional cases, and with the approval of the professor in charge of the thesis, the entire six semester-hours may be registered for during a single semester. The typewritten thesis in its final form must have the approval of the professor in charge of the student's field and of the Educational Committee of the division concerned, and must be presented to the Dean by the student not later than the date announced in the University calendar. Requirements regarding the form of the thesis are stated on page 41.

Payment of tuition for the thesis will entitle the candidate, during the academic year of registration, to the advice and direction of the member of the Faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period, it must be registered for again, and tuition paid on the same basis as for a repeated course.

#### THE MASTER'S EXAMINATION

In addition to such other examinations as may be required, candidates must pass a general written examination on the major subject. Examinations will be held on dates fixed by the respective Educational Committees, but in no case later than January 15 for the first semester, May 15 for the second semester, and August 7 for the Summer Sessions. The provisions of the new plan for undergraduate majors, as far as they concern the general examination for the major, also apply to the Master's examination. A candidate who fails to pass the Master's examination may, in exceptional circumstances and with the specific approval of the division concerned, repeat the examination, but only after the lapse of one semester. If he fails a second time, no further opportunity to take the examination will be permitted.

## THE GRADUATE COUNCIL

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*

Robert Whitney Bolwell, Ph.D., *Chairman of the Graduate Council*

### MEMBERS OF THE COUNCIL

Ray Smith Bassler, Ph.D., Sc.D., *Professor of Geology*  
Thomas Benjamin Brown, Ph.D., *Professor of Physics*  
Charles Sager Collier, A.B., LL.B., S.J.D., *Professor of Law*  
Henry Grattan Doyle, A.M., *Professor of Romance Languages*  
Robert Fiske Griggs, Ph.D., *Professor of Botany*  
John Donaldson, Ph.D., *Professor of Political Economy*  
Joseph Hiram Roe, Ph.D., *Professor of Biochemistry*  
George Byron Roth, A.B., M.D., *Professor of Pharmacology*  
Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry*  
Edward Henry Sehrt, Ph.D., *Professor of German*  
Robert Whitney Bolwell, Ph.D., *Professor of American Literature*  
William Cullen French, Ph.D., *Professor of Education*  
James Henry Taylor, Ph.D., *Professor of Mathematics*  
Errett Cyril Albritton, A.B., M.D., *Professor of Physiology*  
Elmer Louis Kayser, Ph.D., *Professor of European History*  
Donnell Brooks Young, Ph.D., *Professor of Zoology*  
George Antony Gamow, Physics D., *Professor of Theoretical Physics*  
Edward Teller, Ph.D., *Professor of Physics*  
Frank Mark Weida, Ph.D., *Professor of Statistics*  
Warren Reed West, Ph.D., *Professor of Political Science*  
Lowell Joseph Ragatz, Ph.D., *Professor of European History*  
Francis Edgar Johnston, Ph.D., *Professor of Mathematics*  
Benjamin Douglass Van Evera, Ph.D., *Professor of Chemistry*  
William Crane Johnstone, Jr., Ph.D., *Professor of Political Science*  
Mitchell Dreesse, Ph.D., *Professor of Educational Psychology*  
Leland Wilbur Parr, Ph.D., *Professor of Bacteriology*  
Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Professor of Law*  
Ralph Edward Gibson, Ph.D., *Adjunct Professor of Chemistry*



Joseph Quincy Adams, Ph.D., Litt.D., *Adjunct Professor of English*  
 William Webster Diehl, Ph.D., *Adjunct Professor of Mycology*  
 Arthur Edward Burns, Ph.D., *Adjunct Professor of Economics*  
 Alva Curtis Wilgus, Ph.D., *Associate Professor of Hispanic American History*

Chester Elwood Leese, Ph.D., *Associate Professor of Physiology*  
 Wood Gray, Ph.D., *Associate Professor of American History*  
 George Winchester Stone, Jr., Ph.D., *Assistant Professor of English*  
 Donald Stevenson Watson, Ph.D., *Assistant Professor of Economics*  
 Fred Salisbury Tupper, Ph.D., *Assistant Professor of English*  
 Howard Maxwell Merriman, Ph.D., *Assistant Professor of American Diplomatic History*

#### CONSULTANTS IN RESEARCH

Edward Albert Chapin, Ph.D., *Research Associate in Zoology*  
 Shio Sakanishi, Ph.D., *Research Associate in Political Science*  
 Willard Hull Wright, D.V.M., Ph.D., *Research Associate in Parasitology*

#### GENERAL INFORMATION

##### PURPOSE

The purpose of the Graduate Council of The George Washington University is to create a fellowship between the Masters in Research in the various fields and the students who have apprenticed themselves to these Masters, and through this fellowship to foster a creative spirit in the graduate studies leading to the degree of Doctor of Philosophy. The basic conception of this degree is the attainment of a mastery of related fields of knowledge, achieved without regard to specific courses of instruction and culminating, through original research, in a contribution to knowledge. It is hoped that in the development of this program the historical relationship of master and apprentice may be revived. In keeping with this idea a student, after satisfying certain requirements, is responsible solely to the Master under whom he has signified his desire to work.

##### APPLICATION TO UNDERTAKE DOCTORATE DISCIPLINES

A student wishing to undertake work under the Graduate Council must possess an adequate academic preparation for advanced study in the proposed field, as evidenced by satisfactory Bachelor's and Master's degrees, or their equivalent, together with acceptable personal qualities and capacity for creative work.

After an applicant's credentials have been filed with the Director of Admissions of the University, the Chairman of the Graduate Council will appoint a consultative committee (usually composed of five members), which will evaluate the records submitted and interview the applicant. The applicant will then meet the personnel committee of the Graduate Council. When the recommendations of the consultative and personnel committees have been presented, the Graduate Council will act upon the application for candidacy for Fellowship in the Graduate Council.

### CANDIDACY FOR FELLOWSHIP

If accepted, the candidate must demonstrate his ability to read French and German and must satisfy such other prerequisites for advanced study as shall be specified by the consultative committee. The necessary examinations will be arranged by the Chairman of the Graduate Council.

The consultative committee will, after consultation with the candidate, designate a program of study in the several fields of learning on which the candidate must stand examination as a part of the requirements for admission to Fellowship in the Graduate Council. These fields of learning will be selected from any of the following "divisions": (1) *the Division of Languages and Literatures*, which comprises the Departments of Classical Languages and Literatures, English, Germanic Languages and Literatures, and Romance Languages and Literatures; (2) *the Division of Mathematics and the Physical Sciences*, which comprises the Departments of Biochemistry, Chemistry, Mathematics, Pharmacology, Physics, and Statistics; (3) *the Division of the Natural Sciences*, which comprises the Departments of Anatomy, Bacteriology, Biology, Botany, Geology, Neurology, Pathology, Physiology, Psychology, and Zoology; (4) *the Division of the Social Sciences*, which comprises the Departments of Business Administration, Economics, Education, History, Journalism, Law, Philosophy, Political Science, Public Speaking, and Sociology.

The candidate will be directed by his consultative committee throughout the entire period of preparation for this Council Fellowship examination.

### THE COUNCIL FELLOWSHIP EXAMINATION

Upon application of the consultative committee the Chairman of the Graduate Council will set a date for the Council Fellowship examination and appoint an examining committee, composed of the members of the consultative committee and at least two other members of the Graduate Council. The Council Fellowship examination will be a written examination, conducted during a period of one week. The candidate,

in consultation with the Chairman of the Graduate Council, will have designated the Master with whom he wishes to undertake research if admitted as a Fellow. If he is successful in the Council Fellowship examination and is accepted by the Master, the candidate will be nominated to the Graduate Council for election as a Fellow.

#### FELLOWSHIP IN THE GRADUATE COUNCIL

When a student has been admitted as a Fellow of the Graduate Council, his consultative committee will be discharged and he will become responsible to his Master alone for the development of his field, the selection of a thesis subject, and the preparation of his thesis. He will be formally inducted into Fellowship, which carries with it the privilege of membership in the Graduate Council, including participation in its general meetings, and unrestricted use of all the academic facilities of the University. The Master may refer the Fellow to other institutions for special study, under arrangements made by the Council.

#### THE THESIS

Not later than the date specified in the University calendar the Fellow must submit to the Chairman of the Graduate Council one typewritten original and two legible carbon copies of his thesis in its final form and also a typewritten summary of the thesis consisting of not more than 2,500 words. Requirements regarding the form of the thesis are stated on page 41.

The summaries of accepted theses will be printed in a volume forming a number of the University BULLETIN. The successful candidate for the doctorate is required, before receiving his degree, to pay a fee to cover the expense of printing the summary of his thesis.

#### THE FINAL EXAMINATION

After the presentation of the Fellow's thesis, the Chairman of the Council, upon application of the Master, will set the date of the final examination and appoint the final examination committee. The examiners will include at least five members of the Graduate Council other than the Master, and at least two qualified experts in the Fellow's special field from other institutions of research. The Master will present the Fellow to the examining committee. In this final examination, which will be oral, the Fellow will defend his thesis in relation to the field of learning in which it lies. The examination will be public.



### THE DEGREE OF DOCTOR OF PHILOSOPHY

If the Fellow satisfies this committee in respect to the high quality of his contribution to knowledge and his mastery of the field, he will be recommended by the committee to the Graduate Council and, if approved, nominated by the Council to the Board of Trustees of the University for the degree of Doctor of Philosophy.

### FEES AND FINANCIAL REGULATIONS

For information regarding fees and financial regulations, see pages 18-23.

### TEACHING FELLOWSHIPS AND LOAN FUNDS

Teaching fellowships are available in the Departments of Bacteriology, Biochemistry, Botany, Chemistry, Economics, English, History, Physics, Political Science, Psychology, Romance Languages, Statistics, and Zoology. Details regarding qualifications and application for these fellowships will be found on pages 24-25.

For particulars regarding loan funds, see pages 35-36.

### GENERAL REGULATIONS

*Candidates and Fellows in the Graduate Council are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 11-23 and 37-42.*

### RESIDENCE AND CONTINUOUS REGISTRATION

The Graduate Council has no formal regulations concerning the minimum amount of time a student must spend in residence, either in preparation for the Council Fellowship examination or as a Fellow of the Council engaged in doctoral research. Students who undertake either part of the doctoral program on full or limited schedule must, in accordance with University regulations, maintain continuous registration under the Graduate Council even when the Council has granted a leave of absence for study or residence elsewhere. Failure to maintain registration in each semester of the academic year disrupts the residence status of the student under his consultative committee or his Master in Research. In such a case, the student must reapply for admission to the Council, under whatever new conditions and regulations are set up by his consultative committee or by his Master in Research.

#### CHANGE OF ASSIGNMENT AND WITHDRAWAL

A candidate or Fellow desiring to change his assignment must secure the permission of the Chairman of the Graduate Council. In case of withdrawal from the University, the student should send written notice promptly to the Chairman of the Graduate Council.

#### RIGHT TO DROP STUDENTS

The right is reserved to drop any student whenever, in the interest of the student or the University, the Graduate Council deems it advisable to do so.

#### COURSES OF INSTRUCTION

Ordinarily courses of instruction are assigned by the consultative committee only to make up deficiencies. The descriptions of courses will be found in alphabetical order, beginning on page 169.

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A pamphlet describing details of the Graduate Council program will be sent upon request to the Office of the Graduate Council.

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GENERAL INFORMATION

INTRODUCTORY

The School of Medicine of The George Washington University was opened in March 1825; of the medical schools now in existence in the United States, it is the eleventh in chronological order of founding. The University Hospital and Dispensary were established in 1898 and made a part of the organization of the School.

The School is a member of the Association of American Medical Colleges and is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association. The degrees of the School of Medicine are recognized by all State examining boards.

LOCATION AND ADVANTAGES

The city of Washington, with more than a half-million inhabitants, provides ample clinical material. The University Hospital and Dispensary furnish clinical facilities and a large proportion of the materials studied in the courses in Pathology and Clinical Microscopy.

The Library of the Surgeon General's Office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library, as well as the Library of Congress, the Public Library, and the many excellent libraries of the various Government departments, is open to medical students.

The Army Medical Museum affords opportunity for studying the conditions met in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequaled by any other museum in this country. The Museum of Hygiene, the National Museum, the Smithsonian Institution, the Botanic Gardens, and the Department of Agriculture all afford opportunities for study in Medicine and its allied sciences.

#### EQUIPMENT

*Medical School Building.*—The building housing the School of Medicine is a modern, five-story structure with lecture rooms and classrooms, laboratories, and students' rooms, equipped with modern improvements. A four-story laboratory building is adjacent to the main medical building.

*Laboratories.*—The major laboratories are for Anatomy, Histology and Embryology, Bacteriology, Hygiene and Preventive Medicine, Biochemistry, Pathology, Pharmacology and Physiology, and Clinical Microscopy. They are fully equipped to enable students to pursue adequately the laboratory courses and to acquire the technical skill necessary in modern clinical and investigative work.

*Medical Library.*—The Library contains a selected reference collection of more than 3,000 volumes, and provision is made to add to it the important new medical works. The principal medical periodicals are received regularly.

For purposes of advanced study and research the Library of the Surgeon General of the Army is available to all students and teachers through a service maintained by the Medical School Library.

#### CLINICAL FACILITIES

*The University Hospital and the University Dispensary.*—The Hospital and Dispensary are part of the educational equipment of the University. They are adjacent to the School of Medicine and are controlled by the Faculty of Medicine. The Dispensary has a large outpatient service in all departments, to which several thousand visits are made annually. The Faculty believes that clinical teaching should be thoroughly systematized. To this end, all clinics are under the supervision of the Dean, who is also Medical Director of the Hospital. This insures the highest possible utilization of available clinical material for teaching purposes and the proper supervision of clinicians and students;



it brings the individual student into direct contact with patients and requires him to do, under authoritative supervision, the clinical and laboratory work necessary for diagnosis and treatment; and it permits proper interpretation of the conditions occurring during the progress of cases and promotes the keeping of adequate records. Clinical and clinicopathological conferences are held in which the history of cases, the physical findings, laboratory records, and the post-mortem pathology when available, are presented and correlated. The Dean assigns the students to the different clinics, and supervises the records, the attendance, and the instruction of students. Fourth-year students are assigned in rotation by sections for clinical instruction in the Dispensary.

*Gallinger Municipal Hospital.*—Clinical instruction is available in all branches of Medicine. A great wealth of clinical material is afforded in this hospital by ordinance of the municipal authorities of the District of Columbia, whereby one half of the patients are assigned for treatment and clinical teaching to members of the Faculty of this School, nominated by this University. Third-year students serve their clinical clerkships at this institution.

*Children's Hospital.*—Clinical instruction in Pediatrics, Dermatology, and Orthopedic Surgery.

*Emergency Hospital and Central Dispensary.*—Clinical instruction in Medicine, Surgery, Obstetrics and Gynecology, and the specialties.

*Garfield Memorial Hospital.*—Clinical instruction in Gynecology and Obstetrics.

*St. Elizabeths Hospital.*—Clinical instruction in mental and nervous diseases, medicine, post-mortem work, and gross pathology. This hospital, with four thousand beds, is maintained by the United States Government. The psychiatric clinic is one of the largest in the world.

*The Episcopal Eye, Ear and Throat Hospital.*—Clinical instruction in Ophthalmology, Otology, Rhinology, and Laryngology.

#### RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY, MEDICAL UNIT

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of War, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the students in the unit.

Membership in the Unit is voluntary and is open to any physically fit male student who is a citizen of the United States. The instruction is divided into two courses, the basic and the advanced, two years each. Students who satisfactorily complete the basic course may, up to the quota allowed by the War Department, and if they choose, enter the advanced course. Students who enter the advanced course receive pay from the Government amounting to approximately \$200. They are obligated to complete the course and to attend one summer camp of

instruction for six weeks, for which the students will receive pay at the rate of \$21 a month and travel allowances, and for which they will be provided with all camp equipment, uniforms, and medical attention. Students who successfully complete the course are recommended for commission in the Medical Section, Officers' Reserve Corps, provided they desire appointment. Graduates may, after completion of one year's internship in a civil hospital, compete in the examinations held yearly for appointment as first lieutenant in the Medical Corps of the Regular Army.

#### ADMISSION

The minimum requirement for admission is two years of college work, totaling at least sixty semester-hours, taken in an accredited college of arts and sciences.

Students planning to complete premedical-college work in The George Washington University and later make application to the George Washington University School of Medicine must complete all the requirements for the Junior Certificate granted by the Junior College.

#### SPECIFIC EDUCATIONAL REQUIREMENTS

##### SECONDARY SCHOOL REQUIREMENTS

Of the fifteen secondary school units required, three must be in English, two in one foreign language (ancient or modern), one in Algebra, one in Geometry, one in History, and one in Science (Botany, Chemistry, Physics, or Zoology). Eleven of the units offered must be in English, foreign language, Mathematics, Science, and History.

##### PREMEDICAL COLLEGE REQUIREMENTS

###### *Sixty Semester-Hours*

1. Chemistry, twelve semester-hours as follows: (a) eight semester-hours of General Inorganic Chemistry, of which at least four semester-hours are laboratory work (Qualitative Analysis may be counted as General Inorganic Chemistry); (b) four semester-hours of Organic Chemistry, of which two semester-hours are laboratory work. It is strongly recommended, however, that an additional four semester-hours of Organic Chemistry be taken.
2. Physics, eight semester-hours, of which at least two semester-hours are laboratory work. It is recommended that this course be preceded by one in Trigonometry.
3. Biology, eight semester-hours, of which at least four semester-hours are laboratory work. This requirement may be satisfied by a course of eight semester-hours in either General Biology or Zoology, or by a course

of four semester-hours each in Zoology and Botany, but not by Botany alone.

4. English composition and literature, six semester-hours: the usual introductory college course, or its equivalent. The student should develop facility in speaking and writing English.

5. Modern foreign language: a reading knowledge, preferably of French or German.

6. Electives. It is recommended that the remaining semester-hours required include: (a) Comparative Vertebrate Anatomy; (b) Qualitative and Quantitative Chemical Analysis; (c) Social Science and Psychology.

No student will be accepted with any condition in college work.

#### APPLICATION FOR ADMISSION

1. Full directions for application will be furnished on request. The applicant should ask the registrar of each college previously attended to send an official transcript of record to the Director of Admissions, The George Washington University. Photostatic copies of credentials without the original signature of the certifying authority are not satisfactory.

2. A recent photograph, with signature, is required of each applicant.

3. As the number of qualified applicants for admission to the School each year far exceeds its capacity, it is urged that, in order to facilitate consideration of their applications, candidates for admission secure from the colleges attended completely compiled premedical credentials and forward them for evaluation as long a time as possible before the opening of the School of Medicine in September.

4. A fee of \$3 to defray the costs of completing the records for final consideration for admission must accompany each application.

#### ADVANCED STANDING

Students who have satisfactorily attended one or more years at any other "class A" medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing. No student, however, will be admitted to advanced standing in the senior class.

#### REGISTRATION AND ADMISSION TO CLASSES

Registration in the School of Medicine is for a period of one year. After the student has entered the courses of instruction he is obligated for the full tuition for the year. No part of the tuition will be refunded upon withdrawal or dismissal for any cause. Acceptance by the School of a student's fees does not in any way obligate the School to accept the



student for any subsequent year, and the right is reserved to drop any student from the School whenever, in the interest of the student or the School, the Faculty deems it advisable to do so.

Students are admitted to classes on presentation of the Comptroller's ticket, which is issued when all required fees have been paid.

#### FEEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 18-23.

Fees for each semester (including the University fee) are \$275, payable in advance.

All fees are payable at the Office of the Cashier of the University, 725 Twenty-first Street NW. Fees due must be paid at the time of registration; no student is permitted to complete registration or to attend classes until fees are paid.

On account of the many applications for admission, and as the size of each class is limited, places can be reserved only for those qualified applicants who remit a deposit of \$100 which will be credited toward the tuition of the first semester. Should unusual circumstances arise whereby the matriculant is unable to attend, this initial payment, less a charge of \$50 for registration, transfer, etc., will be returned up to one month before the opening of the session.

Students will be required to pay for injury to apparatus and other University property. All breakage and loss not directly traceable to an individual student are assessed pro rata. Each student is required, at the completion of laboratory courses, to replace or pay for all articles of equipment which he has lost, broken, or destroyed. Credit for work will not be given until this is done.

#### COST OF TEXTBOOKS AND STUDENT EQUIPMENT

The minimum cost of necessary textbooks and student equipment (microscope, drawing materials, glass slides, clinical thermometer, stethoscope, hemocytometer, etc.) is approximately as follows: first year, \$150; second year, \$87; third year, \$60; fourth year, \$60; total, \$357.

#### SCHOLARSHIPS, PRIZES, LOAN FUNDS

The John Hitz Metzgerott Scholarship is available to students in the School of Medicine.

The Ordranax Prize of \$80 is awarded to the member of the graduating class of the School of Medicine who has completed the four-year medical course with the highest scholastic standing.

The following loan funds are available to students in the School of Medicine: Daughters of the American Revolution Loan Fund and the Henry Strong Educational Foundation Loan Fund.

For particulars regarding scholarships, prizes, and loan funds, see pages 25-36.

### GENERAL REGULATIONS

*Students in the School of Medicine are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 11-23 and 37-42.*

#### ATTENDANCE

Absence consists in being away from a class or clinic during a scheduled period, entering after the class or clinic has begun, or leaving before either is dismissed.

Absence is not allowed unless an excuse is obtained from the Dean or the instructor.

Excuse for absence due to sickness must be accompanied by a certificate signed by the attending physician and must be filed in the Office of the Dean.

For every unexcused absence a department will deduct one half of one per cent from the student's final grade in the subject involved.

#### GRADES

Proficiency in all subjects is marked on a basis of *A* (90-100); *B* (80-90); *C* (75-80); *D* (65-74), condition; *E* (below 65), failure; *I*, incomplete. The passing grade in each subject is *C*.

#### ADVANCEMENT

Any student who has satisfactorily completed the required work of the first, second, or third year of the course and has passed all examinations is eligible for advanced standing, if approved by the Committee on Scholarship. No student may be enrolled for the clinical work of the third and fourth years without first having qualified in all the preclinical sciences.

#### FAILURE

A student who has failed in any subject will not be advanced until such failure is removed and then only by authority of the Committee on Scholarship. All conditions must be removed at the next make-up examination period provided for this purpose.

#### EXAMINATIONS

Examinations, which may be written, oral, or practical, will be held at the end of the first semester and at the end of the academic year.

A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination, except by special permission of the Committee on Scholarship. For make-up examinations to remove conditions, a fee of \$5 will be charged for each subject.

#### SPECIAL UNDERGRADUATE AND GRADUATE ADVANTAGES IN THE SCHOOL OF MEDICINE

The payment of the University fee, charged all students, entitles them to certain health services described under the Department of Health Administration, page 232. Payment of this fee also secures for students certain student-activity privileges, which are explained on page 19.

#### PHYSICAL EXAMINATIONS

All first-year students are given a comprehensive physical examination by the Department of Health Administration upon admission to the School of Medicine. The students are informed of the findings and advised regarding such measures as will tend to maintain a high standard of health.

#### HOSPITAL APPOINTMENTS

Interns are appointed annually in the University Hospital. Similar appointments are made to graduates and undergraduates of this School in the following hospitals of the District: Casualty Hospital; Children's Hospital; Columbia Hospital for Women; Emergency Hospital; Episcopal Eye, Ear and Throat Hospital; Gallinger Municipal Hospital; Garfield Memorial Hospital; Providence Hospital; St. Elizabeths Hospital; Sibley Hospital; and Walter Reed United States Army General Hospital.

Students who, after graduation, desire internships in hospitals outside the District of Columbia should apply directly to the institutions which they wish to enter. A list of hospitals approved for intern training is published annually in the *Journal of the American Medical Association*, and a copy of the list may be consulted in the Office of the Dean.

#### COMMISSION ON LICENSURE, DISTRICT OF COLUMBIA

Graduates who wish to take the examinations of the Commission on Licensure, District of Columbia, or desire to use the District license for reciprocity with the states, should apply to the Secretary, Commission on Licensure, Healing Arts Practice Act, District Building, Washington, D. C.



#### UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905. All alumni and members of the Faculty are eligible for membership on election. Meetings of the Society are held in the School of Medicine on the third Saturday evening of each month from October to May. Senior students may be invited to attend the meetings of this Society.

#### DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments: Anatomy; Bacteriology, Hygiene, and Preventive Medicine; Biochemistry; Dermatology and Syphilology; Experimental Medicine; Medicine; Military Science and Tactics; Neurology; Obstetrics and Gynecology; Ophthalmology; Oto-rhino-laryngology; Pathology; Pediatrics; Pharmacology and Therapeutics; Physiology; Psychiatry; Surgery; and Urology.

#### CLINICS

Courses of clinical instruction are included in the announcements of the clinical departments. The Dean prepares schedules of clinics and of student section assignments to the various hospitals and dispensaries.

#### COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 169.

#### THE DEGREE OF DOCTOR OF MEDICINE

Upon the satisfactory completion of the requirements of the School of Medicine, the degree of Doctor of Medicine is conferred. The degree of Doctor of Medicine given by this University is recognized by all state examining boards in the United States.

#### REQUIREMENTS FOR THE DEGREE

Every candidate for graduation with the degree of Doctor of Medicine must be at least twenty-one years of age, of reputable character, and free of all indebtedness to the University. He must have satisfied the admission requirements, completed satisfactorily not less than four years of study as a matriculated student in Medicine, completed all required courses, and passed satisfactorily all prescribed examinations. *Particular attention is called to the statement of graduation requirements on pages 39-40.*

### COMBINED ARTS AND MEDICINE CURRICULUM

Candidates register in the Junior College for the freshman and sophomore years of the premedical curriculum and in Columbian College for the junior year. In order to be recommended for the degree of Bachelor of Arts, candidates must complete at least ninety-four semester-hours of prescribed college work including Physical Education (at least thirty semester-hours and one year of residence must be completed in Columbian College), and the first year of the medical curriculum. Upon completion of the fourth year in the medical curriculum the student becomes eligible for the degree of Doctor of Medicine.

### PLAN OF INSTRUCTION

Each year of the medical curriculum is divided into two semesters of sixteen weeks each. The curriculum for the degree of Doctor of Medicine must begin with the fall semester.

Under the order of the work there is a coordination in the offerings of the several departments which enables the student to concentrate his attention upon the subject materials in such a way that they can be readily understood and recognized as integrated parts of a unified training. The salient features in the method of instruction are thorough laboratory training, demonstrations, and clinical teaching, with recitations and lectures to clarify the many problems presented. The clinical material in the various hospitals and out-patient departments is utilized to the fullest extent for both clinical instruction and laboratory work.

### HONORS

Candidates who have completed the four-year medical course with an average grade of *A* may be recommended for graduation "with distinction".

## THE LAW SCHOOL

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*  
William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School*

### STAFF OF INSTRUCTION

John Wilmer Latimer, LL.B., *Professor of Law*  
William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law*  
Charles Sager Collier, A.B., LL.B., S.J.D., *Professor of Law*  
Hector Galloway Spaulding, B.S., LL.B., S.J.D., *Professor of Law*  
Walter Lewis Moll, A.B., LL.B., S.J.D., *Professor of Law*  
William Thomas Fryer, A.B., LL.B., J.D., *Professor of Law*  
Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Professor of Law*  
Lloyd Hall Sutton, B.S., LL.B., *Adjunct Professor of Law*  
Spencer Gordon, A.B., LL.B., *Adjunct Professor of Law*  
Conway Peyton Coe, A.B., LL.B., *Adjunct Professor of Law*  
Levi Russell Alden, A.M., LL.B., *Adjunct Professor of Law*  
Gilbert Lewis Hall, A.B., LL.B., *Adjunct Professor of Law*  
George Bowdoin Craighill, A.B., LL.B., *Adjunct Professor of Law*  
James Ward Morris, A.B., *Adjunct Professor of Law*  
Carville Dickinson Benson, Jr., A.B., LL.B., S.J.D., *Associate Professor of Law*  
James Forrester Davison, A.B., LL.M., S.J.D., *Associate Professor of Law*  
John Albert McIntire, A.B., LL.B., *Associate Professor of Law*  
William Randall Compton, M.B.A., LL.B., S.J.D., *Associate Professor of Law*  
Chester Charles Ward, B.S., LL.M., *Associate Professor of Law*  
Clarence Altha Miller, LL.M., *Lecturer in Law*  
James Oliver Murdock, Ph.B., LL.B., *Lecturer in Law*  
James Robert Kirkland, A.B., LL.M., *Lecturer in Law*  
James Albert Pike, A.B., LL.B., S.J.D., *Lecturer in Law*  
Justin Lincoln Edgerton, A.B., LL.B., *Associate in Law; Clerk of the Moot Court*

### MOOT COURT OF APPEALS

George Francis Williams, LL.M., *Associate Justice*  
Paul Edgar Lesh, LL.M., *Associate Justice*



## COMMITTEES\*

## THE DEAN'S COUNCIL†

Carville Dickinson Benson, Jr.	John Albert McIntire
Charles Sager Collier	Walter Lewis Moll
William Randall Compton	Saul Chesterfield Oppenheim
James Forrester Davison	Hector Galloway Spaulding
William Thomas Fryer	Chester Charles Ward

## COMMITTEE ON LIBRARY

Carville Dickinson Benson, Jr., <i>Chairman</i>	
James Forrester Davison	Hector Galloway Spaulding
William Thomas Fryer	The Law Librarian

## COMMITTEE ON PROGRAMS FOR FACULTY MEETINGS

Charles Sager Collier, <i>Chairman</i>	
Hector Galloway Spaulding	Clarence Altha Miller

## ADVISERS ON REGISTRATION

Carville Dickinson Benson, Jr.	William Thomas Fryer
Charles Sager Collier	Saul Chesterfield Oppenheim
William Randall Compton	Chester Charles Ward
Hector Galloway Spaulding	

## GENERAL INFORMATION

## INTRODUCTORY

The George Washington University Law School, established in 1826, discontinued later, and reorganized in 1865, is the oldest in the District of Columbia. The course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A course leading to the degree of Master of Laws was added in 1877. In 1900 the School took part in the organization of the Association of American Law Schools and has been a member of the association since that time. In 1911 the School became coeducational. On September 1, 1925, the entrance requirements were increased to two years

\* The President of the University and the Dean of the Law School are members ex officio of all committees

† Elected by the Faculty.

of college work; in 1936 they were increased to a college degree. The School is approved by the Council of Legal Education of the American Bar Association. The Law School building is named Stockton Hall in honor of the late Rear Admiral Charles Herbert Stockton, President of the University from 1910 to 1918.

#### THE LIBRARY

The Law School Library of 21,000 volumes contains the official reports of the decisions of the courts of last resort of all the states prior to the National Reporter System and of fourteen states complete to date; the National Reporter System, complete; the reports of the United States Supreme Court and lower federal courts, and the reports of federal administrative agencies; Shepard's Citations for the units of the Reporter System; the English Reprint and English Law Reports; the United States Statutes; the United States Code, Annotated, and the Federal Code, Annotated; reasonably complete sets of statutes of all of the states; the English statutes; the principal English and American digests and encyclopedias; collections of special reports and annotated cases; and the leading textbooks, casebooks, and legal periodicals.

The Library is open from 9:00 A.M. to 11:00 P.M. each class day (Saturday, 9:00 A.M. to 6:00 P.M.), and from 2:00 to 6:00 P.M. on Sunday.

#### THE LAW REVIEW

*The George Washington Law Review*, published monthly from November to June, inclusive, by the University, is edited by the Faculty and students of the Law School. It is devoted exclusively to the field of state and federal public law. The location of the University in the National Capital, where the primary sources of federal public law may be observed in operation, affords an unexcelled opportunity for specialization in this field.

The *Review* is edited by a Faculty editor-in-chief, a Faculty board of associate editors, a board of departmental advisory editors, and a board of student editors. The student editors are chosen each year from those students who have attained senior standing in their work for the degree in Law with an average grade of B or higher.

#### RESEARCH IN PUBLIC LAW

Washington, the capital of the Nation, furnishes unsurpassed advantages for research in the fields of public law. In it are the offices of the major executive departments, the Congress, the Supreme Court of the United States, and four lower federal courts. In the executive departments and among the many independent establishments of the Federal

Government there have been estimated to be between seventy-five and one hundred agencies the activities of which involve the various branches of public law, particularly administrative law. The student of public law can study at first hand the work of these administrative agencies. He also has available as sources for investigation their records of administrative adjudications. In addition there are more than double the number of law offices in the various departmental and independent agencies the principal business of which is public law.

To promote research in public law there have been established in the Law School seminars in Administrative Law, Constitutional Law, Trade Regulation, and Government Corporations. The purpose of this research is to furnish means for training specialists in public law, either as government lawyers or as lawyers representing individuals or corporations in cases in which the Government is a party, and to assist in the analysis, clarification, formulation, and improvement of public law, substantive and procedural.

To enroll for this work students must be eligible to be regular students in the Law School and must have graduated from an approved law school with the degree of Bachelor of Laws or equivalent degree, or be senior candidates for the degree of Juris Doctor, or must be admitted by special permission of the member of the Faculty in charge.

#### THE STUDENT BAR ASSOCIATION

All students in the Law School are required to be members of the Student Bar Association. This is organized to enable students to become better acquainted with problems of the profession, to develop better professional ideals, and to bring about closer contact with members of the profession engaged in active practice of the law.

The work of the Student Bar Association is carried on by various committees and by group and general meetings of a professional and social nature. From time to time lectures are given by outstanding authorities on legal and professional problems. The various committees include the following: Lectures, Court Practice, Legal Aid, Case Clubs, Placement and Alumni Relations, Sections, Study Groups, and Social Affairs.

Each member of the Student Bar Association receives a subscription to *The George Washington Law Review*.

#### ORDER OF THE COIF

The Order of the Coif is a national honor society with chapters in thirty-five law schools, the purpose of which is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship". The George Washington University Chapter



was established in 1926. Students are elected each year from the highest-ranking 10 per cent of the graduating class of the Law School.

#### ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 11-15.

Applications for admission and supporting certificates should be filed with the Director of Admissions not later than two weeks before the registration period.

#### FOR THE DEGREES IN THE PROFESSIONAL COURSE

These degrees are Bachelor of Laws (LL.B.) and Juris Doctor (J.D.). To be admitted to candidacy for these degrees the applicant must have received before admission the degree of Bachelor of Arts or an equivalent degree from an approved college or university. The conferring of this degree must be evidenced by proper transcripts or certificates of record.

#### ADVANCED STANDING

Advanced standing toward the degree of Bachelor of Laws may be granted for work successfully completed in other law schools which are members of the Association of American Law Schools. A student transferring from another approved law school with advanced standing must show that at the time he began the study of law at the other school he could have met the requirements then in force for admission to the Law School of The George Washington University.

Applicants for admission with advanced standing must file certified transcripts of record showing high school, college, and law credits. The right is reserved to refuse such credit, in whole or in part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work. No student admitted with advanced standing will be recommended for the degree of LL.B. until he has completed in this School at least one full year of residence and passed successfully twenty-eight semester-hours with the required average for the degree. No student will be admitted who has been in attendance at another law school and who is ineligible, because of poor scholarship, to return to that school.

Students planning to attend summer school sessions at other law schools and desiring to use credits obtained at such schools in their course at this Law School must first have the courses they wish to take approved by the Dean. In no event will credits be recognized in excess of those which might be obtained in a similar period in this School.

Advanced standing toward the degree of Juris Doctor for work in other law schools will not be granted.

**FOR THE DEGREES IN THE GRADUATE COURSE**

These degrees are Master of Laws (LL.M.) and Doctor of Juridical Science (S.J.D.).

**FOR THE DEGREE OF MASTER OF LAWS**

Candidates for this degree must, at the time of their admission, have received the degree of Bachelor of Arts or an equivalent degree from an approved college or university and the degree of Bachelor of Laws or an equivalent degree from an approved law school.

**FOR THE DEGREE OF DOCTOR OF JURIDICAL SCIENCE**

To be admitted to candidacy for this degree an applicant (a) must have received the degree of Juris Doctor from The George Washington University Law School or (b) must have received the degree of Bachelor of Arts from an approved college, must have earned with distinguished record the degree of Bachelor of Laws or the equivalent from The George Washington University Law School or other approved law school, must have demonstrated outstanding capacity for scholarly work in the field of law, and must be accepted as a candidate by the Dean's Council of the Law School.

**UNCLASSIFIED STUDENTS**

Persons eligible for admission to regular standing but not candidates for degrees may, at the discretion of the Dean, be admitted as unclassified students.

Persons who are in good standing as candidates for degrees in other approved law schools may, at the discretion of the Dean, be admitted to take as unclassified students courses which will be accepted for credit in these other law schools. Such work will not be accepted for credit toward a degree at this law school.

**"UNIVERSITY STUDENTS" IN THE LAW SCHOOL**

A limited number of persons who cannot qualify as candidates for a degree in Law, but who are over twenty-five years of age and who because of their maturity, training, and experience seem qualified to pursue the study of Law, may be admitted to the Division of University Students. Candidates for admission as "University students" in Law must file written applications, setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Each application must first be submitted to the Faculty of the Law School and approved by them. Approval will be granted only in unusual cases in which some special reason justifies admission. Work done by such "University students" will not be counted toward a degree.

### REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in the Law School until proper credentials have been filed and approved by the proper officers of the University (see "Admission", above).

In a case in which a student is permitted to drop a year course at the end of the first semester he must register for the second semester of that subject not later than one calendar year from the time the attendance in the first semester was completed.

Registration is permitted at the beginning of either semester and at the beginning of the first summer term. Students beginning the study of Law in the second semester, however, may pursue only a limited schedule. Such students may pursue other first-year courses in the succeeding summer session.

Qualified students who are entitled to advanced standing on records from other approved law schools or who have completed courses at this Law School during former periods of attendance may register at the beginning of the second semester for subjects which commence at that time, but not for year subjects.

Registration days for the academic year 1940-41 will be Thursday, Friday, and Saturday, September 19, 20, and 21, 1940, and Wednesday and Thursday, February 5 and 6, 1941. A late-registration fee of \$5 will be charged each student who is permitted to register after the regular registration days. No registration may be made for a semester subject after the first two weeks of a semester, or for a year subject after the first four weeks of the year.

Registration may be changed only with the permission of the Dean.

For further information regarding registration, see pages 16-17.

### FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 18-23.

### SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

The following prizes are awarded annually in the Law School: Ellsworth Prize, John Bell Larner Prize, and the John Ordronaux Prizes.

For further particulars regarding scholarships, prizes, and loan funds, see pages 25-36.



## GENERAL REGULATIONS

*Students in the Law School are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 11-23 and 37-42.*

## HOURS OF INSTRUCTION

The regular course for full-time students is given from 9:10 A.M. to 1:00 P.M. Employed students may take the regular course in the classes held from 5:10 to 7:00 P.M.

## AMOUNT OF WORK

A student who takes a majority of his courses in the full-time sections, from 9:10 A.M. to 1:00 P.M., may, with the permission of the Dean, take work not exceeding fifteen hours a week. For such students the minimum period of attendance is three academic years.

A student who takes a majority of his courses in the afternoon sections may not register for more than ten hours a week. For such students the minimum period of attendance is four academic years.

The amount of work carried by any student may be restricted when, in the judgment of the Dean, the best interests of the student require it.

## ATTENDANCE

No student will be allowed credit in any subject unless he has been regularly registered and in regular attendance and has done all the work required in the course in that subject. A student who has been absent from more than 20 per cent of the classes in any subject will not be permitted to take the examination in the subject except with special permission of the Dean's Council.

## RESIDENCE REQUIREMENTS

A year's attendance in the late-afternoon classes for students with limited schedules is counted as residence for three fourths of a year. In the case of students admitted with advanced standing, at least one full year of this residence requirement must be spent in The George Washington University.

A student who at the end of any regular period of residence—the first semester, the second semester, or the summer session—has completed subjects which equal in semester-hours the total number of semester-hours required for the degree for which he is a candidate, but who has failed to complete the full residence requirements for that degree, must be in residence during additional periods sufficient to satisfy completely the residence requirements. In all such cases the student must be in resi-

dence during the entire period and must satisfy the attendance requirements of, and pass the examination in, at least one subject.

### GRADES

The grade of a student in each subject is indicated by the letters *P* (55), passed, or *F* (below 55), failed. The meaning of these grades is as follows:

*P*, passed, means that the work has been successfully completed and credit given for the subject.

*F*, failed, means that the work in the subject has been a failure and that no credit will be given. To obtain credit the student must repeat the subject; but a student who has obtained an average of *C* in the work of the academic year and received a grade of *F* in only one subject may take the next regular examination in that subject, and if on such reexamination he obtains a passing grade he will be given credit in the subject with the grade thus obtained.

At the end of each academic year each student is given an average numerical grade for his work for the year. These numerical grades rank as follows: *A* (85-100), excellent; *B* (75-84), very good; *C* (65-74), good; *D* (below 65), poor—below standard for graduation.

The general average of a student shall include all the grades in all the subjects taken while he is in the Law School working for a particular degree. When a subject has been repeated or a reexamination has been taken, both the first grade and the subsequent grade or grades shall be counted in the general average. A failure in a nonrequired subject shall also be counted.

### EXAMINATIONS

Written examinations are held at the close of the first semester in subjects which are then completed and at the close of the second semester in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the final examination in a subject with the class in which he is enrolled may take the next regular examination given in the subject.

No student shall be given an examination in, or permitted to receive credit in, less than an entire subject. Any student who is permitted to register for one semester only of a year subject may not take the examination in that subject until the other semester has been completed.

No special examinations will be given; except that, upon written application to the Dean's Council, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would

be entitled to take a postponed examination, may, at the discretion of the Dean's Council, be given a special examination not less than sixty days after the date of the one which he failed to take.

#### EXCLUSION AND PROBATION FOR POOR SCHOLARSHIP

Students who during an academic year fail in two or more full-year subjects or the equivalent in half-year subjects will be excluded. Such students are not eligible to be registered in the Law School or to attend classes in the next academic year. They may, however, be admitted to the regular examinations in that academic year in those subjects in which they have made a grade below passing, 55, and if they receive a grade of passing in these subjects with an average sufficient to make their general average not less than *C*, 65, they will be reinstated at the beginning of the academic year next succeeding the passing of these examinations.

Students not subject to exclusion under the foregoing rule who at the end of an academic year have failed to maintain a general average of at least *C*, will be on probation during the next academic year. Students on probation may at the discretion of the Dean be required to reduce their programs of study. Students on probation will be excluded at the end of the probationary year unless they have made grades sufficient to give them a general average of at least *C*.

The general average of a student shall include all the grades in all the subjects taken while he is in the Law School working for a particular degree. When a subject has been repeated or a reexamination has been taken, both the first grade and the subsequent grade or grades shall be counted in the general average. A failure in a nonrequired subject shall also be counted.

In special cases in which it is clear that the student's failure does not indicate lack of ability to pursue the study of law, the students who have become subject to exclusion may be readmitted by vote of the Dean's Council of the Law School.

No students shall be put on probation or excluded on the work of one semester only, the work of the Summer Sessions, or as the result of a program of less than four hours a week during the academic year.

#### CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of semester-hours of credit as follows: First year, to twenty-seven; second year, twenty-eight to fifty-five; third year, fifty-six or more.

#### COURSES OF INSTRUCTION

The courses of instruction in Law are listed on pages 244-52.



## THE DEGREES

## IN THE PROFESSIONAL COURSE

These degrees are Bachelor of Laws (LL.B.) and Juris Doctor (J.D.).

## REQUIREMENTS FOR THE DEGREE OF BACHELOR OF LAWS

To be recommended for this degree the student must have completed a residence period of not less than three academic years on a full-time basis. He must have completed eighty semester-hours with a general average of at least *C*. He must have completed the course in Moot Court.

## REQUIREMENTS FOR THE DEGREE OF JURIS DOCTOR

This degree is conferred as a recognition of the completion at the George Washington University Law School with unusually high rank of a full professional course of not less than three full years including experience in research and legal authorship and an introduction to comparative law.

To be recommended for this degree the student must have completed a residence period of not less than three academic years on a full-time basis. He must have completed eighty semester-hours with a general average of at least *B*. He must have completed the courses in Moot Court and in Roman Law and Principles of the Civil Law, must have been elected to the board of student editors of *The George Washington Law Review* in accordance with the requirements laid down by the Faculty for such elections, and must have done acceptable work as a member of the board for one academic year.

## CURRICULUM IN THE PROFESSIONAL COURSE

## FIRST YEAR

Morning Sections		Late-Afternoon Sections	
	Sem. hrs.		Sem. hrs.
Civil Procedure .....	4	Contracts I .....	4
Contracts I .....	4	Criminal Law and Procedure.....	4
Criminal Law and Procedure.....	4	Judicial Process .....	4
Judicial Process .....	4	Property I .....	4
Property I .....	4	Torts .....	4
Property II .....	4		
Torts .....	4	Total.....	20
Total.....	28		

## SECOND YEAR

Morning Sections		Late-Afternoon Sections	
	Sem. hrs.		Sem. hrs.
Bills and Notes.....	4	Civil Procedure .....	4
Constitutional Law I.....	4	Property II .....	4
Contracts II .....	4	Contracts II .....	4
Equity I .....	4	Equity I .....	4
Evidence .....	4	Evidence .....	4
Property III .....	4		
Trusts .....	4		
		Total.....	20
Total.....	28		

## THIRD YEAR

Morning Sections		Late-Afternoon Sections	
	Sem. hrs.		Sem. hrs.
Administrative Law I.....	4	Bills and Notes.....	4
Business Associations I.....	4	Constitutional Law I.....	4
Conflict of Laws.....	4	Trusts .....	4
Moot Court .....	4	Property III .....	4
Taxation .....	4	Business Associations I.....	4
Trade Regulation I.....	4		
		Total.....	20
Total.....	24		

## FOURTH YEAR

Late-Afternoon Sections	
	Sem. hrs.
Administrative Law I.....	4
Trade Regulation I.....	4
Conflict of Laws.....	4
Taxation .....	4
Moot Court .....	4
Total.....	20

ADDITIONAL SUBJECTS OPEN TO SECOND-  
OR THIRD-YEAR STUDENTS

	Sem. hrs.
Agency .....	4
Persons and Domestic Relations..	2
Sales .....	4

ADDITIONAL SUBJECTS OPEN TO THIRD-  
OR FOURTH-YEAR STUDENTS

	Sem. hrs.
Equity II .....	2
Federal Jurisdiction .....	2
Public Utilities .....	2
Security Transactions .....	4

## PATENT LAW CURRICULUM

To provide training for students who plan to specialize in Patent Law, the courses in Substantive Patent Law, Patent Office Practice, and Patent Moot Court are offered as third-year electives. They may be counted toward the degree of Bachelor of Laws or Juris Doctor, or they may be taken by qualified students not candidates for a degree.

### PLAN OF STUDY

No student will be permitted to register for second-year subjects unless first-year subjects have been taken or are being taken, and no registration for a third-year subject will be approved unless the second-year subjects have been taken or are being taken.

Registration will not be approved for a subject unless the prerequisites for that subject as shown in the course of instruction have been met.

### HONORS

The degree of Bachelor of Laws or of Juris Doctor "with distinction" will be awarded students who obtain a general average of *A* in the work for the degree.

### IN THE GRADUATE COURSE

These degrees are Master of Laws (LL.M.) and Doctor of Juridical Science (S.J.D.).

#### REQUIREMENTS FOR THE DEGREE OF MASTER OF LAWS

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have completed satisfactorily five full-year courses or the equivalent, that is twenty semester-hours, of subjects in the graduate curriculum. In individual cases, third- or fourth-year subjects listed in the professional curriculum may be included in the program of study. All requirements for this degree must be completed in a period not exceeding two academic years.

#### REQUIREMENTS FOR THE DEGREE OF DOCTOR OF JURIDICAL SCIENCE

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have pursued a course of study and research designated by his consultative committee and approved by the Dean's Council of the Law School. At the conclusion of his first year of residence or at such other time as the consultative committee may set, the candidate must pass an oral examination in those fields of study selected by the consultative committee. This examination shall be conducted by the consultative committee and such other members of the faculty as may be assigned by the Dean. He must then submit a thesis which in the opinion of the examining committee shall constitute a substantial contribution to the field of law concerned and suitable for publication.



**FIELDS OF STUDY AND INVESTIGATION**

Fields of study may be selected from the following: Administrative Law, Civil Procedure, Conflict of Laws, Constitutional Law, Evidence, Federal Jurisdiction, Government Corporations, Government Regulation of Business Organization, History of Law, International Law, Labor Law, Municipal Corporations, Trade Regulation, and Trusts.

**GRADUATE CURRICULUM**

<b>FIRST SEMESTER</b>	<b>Sem. hrs.</b>	<b>SECOND SEMESTER</b>	<b>Sem. hrs.</b>
Administrative Law II..... (Seminar in Special Problems)	2	Administrative Law II..... (Seminar in Special Problems)	2
Admiralty .....	2	Business Associations II (Seminar in Special Problems, including Government Regulation).....	2
Business Associations II (Seminar in Special Problems, including Government Regulation) .....	2	Government Corporations..... (Including Seminar in Special Problems)	2
Constitutional Law II..... (Seminar in Special Problems)	2	International Law .....	2
International Law .....	2	Interstate Commerce Commission Law and Procedure.....	2
Labor Law .....	2	Jurisprudence.....	2
Municipal Corporations .....	2	Labor Relations Regulation.....	2
Roman Law .....	2	Legislation .....	2
Trade Regulation II..... (Seminar in Special Problems)	2	Roman Law .....	2
<b>Total.....</b>	<b>18</b>	Trade Regulation II..... (Seminar in Special Problems)	2
		<b>Total.....</b>	<b>20</b>

**SUMMER SESSIONS**

Work is conducted in the Law School during the Summer Sessions of the University. This work is in two terms of six weeks each. The requirements for admission and the standards of work are the same as those of the two semesters of the regular academic year. Instruction is given by members of the regular Faculty and by teachers invited from other approved law schools. Classes meet in the late afternoon from 5:10 until 7:00 o'clock.

The Summer Sessions for 1940 will begin on Monday, June 17. The first term will end July 29. The second term will begin on July 30 and end September 12.

The following courses will be given: First term—Judicial Process, Sales, Domestic Relations, and Conflict of Laws. Second term—Property I, Agency, Trusts, Public Utilities, and Federal Jurisdiction.

Four semester-hours' credit will be given for each subject completed, except Public Utilities and Federal Jurisdiction which will be two hours each.

The Summer Session for 1941 will begin on Monday June 16. The first term will end July 28. The second term will begin on July 29 and end on September 11.

A tentative schedule of subjects is announced as follows: Property I, Torts, Agency, Domestic Relations, Constitutional Law I, Future Interests, Sales, and Security Transactions.

The final schedule will be announced in November 1940. For catalogues, application blanks, and further information address the Director of Admissions.





## THE SCHOOL OF ENGINEERING

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*  
Frederick Morris Feiker, B.S. in E.E., D.Eng., *Dean of the School of Engineering*

### STAFF OF INSTRUCTION

Thomas Benjamin Brown, Ph.D., *Professor of Physics*  
Frank Artemas Hitchcock, M.S. in C.E., C.E., *Professor of Civil Engineering*  
Norman Bruce Ames, M.S., E.E., LL.B., *Professor of Electrical Engineering*  
Arthur Frederick Johnson, M.E., Ph.D., *Professor of Mechanical Engineering*  
James Henry Taylor, Ph.D., *Professor of Mathematics*  
Frank Mark Weida, Ph.D., *Professor of Statistics*  
Frederick Morris Feiker, B.S. in E.E., D.Eng., *Professor of Engineering Administration*  
Allen Boyer McDaniel, B.S., *Professorial Lecturer in Civil Engineering*  
Merle Irving Protzman, A.M., *Associate Professor of Romance Languages*  
Benjamin Carpenter Cruickshanks, B.S. in M.E., *Associate Professor of Mechanical Engineering*  
Harold Friend Harding, Ph.D., *Associate Professor of Public Speaking*  
Alfred Ennis, M.S., E.E., *Assistant Professor of Electrical Engineering*  
Charles Edward Cook, B.S. in E.E., B.S. in C.E., *Assistant Professor of Civil Engineering*  
Charles Rudolph Naeser, Ph.D., *Assistant Professor of Chemistry*  
Howard Henry Koster, M.S. in M.E., *Assistant Professor of Mechanical Engineering*  
George Franklin Bush, B.S. in M.E., *Instructor in Mechanical Engineering*  
Wolfram Karl Legner, Ph.D., *Instructor in German*  
George Strollo, B.S. in C.E., M.C.E., *Instructor in Civil Engineering*  
Carl Hugo Walther, B.E., M.C.E., *Instructor in Civil Engineering*  
Maurice Harold Irvine, Ph.D., *Instructor in English*

Joseph Carl Oleinik, B.S. in C.E., M.S., *Associate in Civil Engineering*  
 Edgar Stover Walker, B.S. in C.E., *Associate in Civil Engineering*  
 Thomas Alvin O'Halloran, B.S. in E.E., *Associate in Electrical Engineering*  
 William Hayward Dix, B.S. in E.E., *Associate in Electrical Engineering*

## SEMINAR LECTURERS

George deAlbert Babcock, E.E., *Professorial Lecturer in Engineering*  
 Robert Craig, A.M., B.E.E., *Professorial Lecturer in Engineering*  
 Roy Crum, C.E., *Professorial Lecturer in Engineering*  
 Herbert Nelson Eaton, A.M., *Professorial Lecturer in Engineering*  
 William Franklyn Joachim, B.S., M.E., *Professorial Lecturer in Engineering*  
 John Franklin Meyer, Ph.D., Sc.D., *Professorial Lecturer in Engineering*  
 Roy Webster Prince, *Professorial Lecturer in Engineering*  
 Winchester Englebert Reynolds, B.S. in C.E., C.E., *Professorial Lecturer in Engineering*  
 Thomas Rouse Tate, B.S., *Professorial Lecturer in Engineering*  
 Herman George Thielscher, B.S. in M.E., B.S. in E.E., *Professorial Lecturer in Engineering*  
 Thomas Harold Urdahl, *Professorial Lecturer in Engineering*

## THE DEAN'S COUNCIL\*

1940

Frank Artemas Hitchcock  
 Arthur Frederick Johnson

1941

Norman Bruce Ames  
 Alfred Ennis

1942

Benjamin Carpenter Cruickshanks  
 James Henry Taylor

## GENERAL INFORMATION

## INTRODUCTORY

The School of Engineering was organized in 1884 under the name of the Corcoran Scientific School.

\* Elected by the Faculty. The President of the University and the Dean of the School of Engineering are members ex officio of the council.

#### ADMISSION

For a statement of the regulations and procedure for admission, see pages 11-15.

#### REGISTRATION

For information and regulations regarding registration, see pages 16-17.

Before registration, schedules of new students must be approved by the Dean, and schedules of other students must be approved by the Executive Officer of the major Department.

#### FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 18-23.

#### SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

For particulars regarding scholarships, prizes, and loan funds, see pages 25-36.

#### GENERAL REGULATIONS

*Students in the School of Engineering are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 11-23 and 37-42.*

#### AMOUNT OF WORK

The normal program of studies for full-time students is set forth below under "Curriculum Requirements". Students with limited schedules are not allowed to carry more than nine semester-hours except by permission of the Dean's Council.

#### CLASSIFICATION OF STUDENTS

Students are classified as *freshmen, sophomores, juniors, and seniors*, in accordance with the curriculum requirements stated on pages 122-24.

#### COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 169.



## THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of the School of Engineering, the degree of Bachelor of Civil Engineering, Bachelor of Electrical Engineering, Bachelor of Mechanical Engineering, or Bachelor of Science is conferred.

## REQUIREMENTS FOR THE DEGREES

## SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 38-39.

In order to graduate, a student must have a quality-point index of at least 2.00.

Delinquency in scholarship will render the student liable to be placed on probation or suspended by the Dean's Council. Readmission will be subject to approval by the Dean's Council. (See the University ruling covering dismissal, page 42.)

## CURRICULUM REQUIREMENTS\*

## BACHELOR OF CIVIL ENGINEERING

Freshman Year		Sem. hrs.	Sophomore Year		Sem. hrs.
Civil Engineering 1.....	3		†Chemistry 12 and 21.....	8	
Economics 1-2 or modern language	6		Civil Engineering 25-26, 102, and 130.....	10	
English 1 and 2.....	6		Electrical Engineering 9-10.....	6	
Mathematics 12 and 19.....	6		Mathematics 20 and Mathematics elective.....	6	
Mechanical Engineering 1, 3, and 4	6		Physical Education.....	2	
Physical Education.....	2		Physics 14.....	2	
†Physics 13 and 12.....	6		Public Speaking 1.....	1	
Total.....	35		Total.....	37	
Junior Year		Sem. hrs.	Senior Year		Sem. hrs.
Civil Engineering 14, 41-42, 61-62, 71-72, 131-32, 133-34....	28		Business Administration 101-2....	6	
Mechanical Engineering 111-12..	6		Civil Engineering 145-46, 147-48, 149-50, 181-82, 185-86, and 187.....	28	
Electives.....	2		Electives.....	2	
Total.....	36		Total.....	36	

\* Approved work of an engineering nature through two summers or the equivalent is required in all Engineering curricula. Total number of semester-hours for any four-year course, 144.

† Students who begin Physics with Physics 13 or 12, or Chemistry with Chemistry 12, are subject to a qualifying examination.

BACHELOR OF ELECTRICAL ENGINEERING

Freshman Year	Sem. hrs.
Civil Engineering 1.....	3
Economics 1-2 or modern language	6
Mathematics 12 and 19.....	6
Mechanical Engineering 1, 3, and 4	6
Physical Education.....	2
†Physics 13 and 12.....	6
Total.....	35

Sophomore Year	Sem. hrs.
†Chemistry 12 and 21.....	8
Civil Engineering 25-26 and 130.....	6
Electrical Engineering 9-10.....	6
Mathematics 20 and Mathematics elective.....	6
Mechanical Engineering 13-14.....	4
Physical Education.....	2
Physics 14.....	2
Public Speaking 1.....	3
Total.....	37

Junior Year	Sem. hrs.
Civil Engineering 14, 131, 132, and 133-34.....	12
Electrical Engineering 17-18, 101, and 102.....	10
Mechanical Engineering 7-8 and 111-12.....	10
Physics 55 and 133x.....	5
Total.....	37

Senior Year	Sem. hrs.
Business Administration 101-2....	6
Civil Engineering 185-86.....	4
Electrical Engineering 103, 125- 26, 133-34, 140, 136 and 137 or 141-42.....	18
Mechanical Engineering 115.....	2
Electives.....	5
Total.....	35

BACHELOR OF MECHANICAL ENGINEERING

Freshman Year	Sem. hrs.
Civil Engineering 1.....	3
Economics 1-2 or modern language	6
English 1 and 2.....	6
Mathematics 12 and 19.....	6
Mechanical Engineering 1, 3, and 4	6
Physical Education.....	2
†Physics 13 and 12.....	6
Total.....	35

Sophomore Year	Sem. hrs.
†Chemistry 12 and 21.....	8
Civil Engineering 25-26 and 130.....	6
Electrical Engineering 9-10.....	6
Mathematics 20 and Mathematics elective.....	6
Mechanical Engineering 13-14.....	4
Physical Education.....	2
Physics 14.....	2
Public Speaking 1.....	3
Total.....	37

Junior Year	Sem. hrs.
Civil Engineering 14, 41, 131, 132, and 133-34.....	15
Electrical Engineering 13-14.....	4
Mechanical Engineering 7-8, 111- 12, and 126.....	12
Physics 55.....	2
Electives.....	3
Total.....	36

Senior Year	Sem. hrs.
Civil Engineering 185-86 and 187	6
Mechanical Engineering 115-16, 127-28, 129-30, 131, 133, 138, 139, 140, and 141-42.....	30
Total.....	36

† Students who begin Physics with Physics 13 or 12, or Chemistry with Chemistry 12, are subject to a qualifying examination.

## BACHELOR OF SCIENCE

Freshman Year		Sem. hrs.	Sophomore Year		Sem. hrs.
Civil Engineering 1.....	3		†Chemistry 12 and 21.....	8	
Economics 1-2 or modern language	6		Civil Engineering 25-26 and 130.....	6	
English 1 and 2.....	6		Electrical Engineering 9-10.....	6	
Mathematics 12 and 19.....	6		Mathematics 20 and Mathematics elective .....	6	
Mechanical Engineering 1, 3, and 4	6		Mechanical Engineering 13-14.....	4	
Physical Education.....	2		Physical Education.....	2	
†Physics 13 and 12.....	6		Physics 14.....	2	
Total.....	35		Public Speaking 1.....	3	
			Total.....	37	
Junior Year		Sem. hrs.	Senior Year		Sem. hrs.
Civil Engineering 14, 131, 132, and 133-34 .....	12		Business Administration 101-2... ..	6	
Electrical Engineering 13-14.....	4		Civil Engineering 185-86.....	4	
Mechanical Engineering 111-12..	6		Geology 21-22.....	6	
Physics elective.....	2		Mechanical Engineering 141-42..	4	
Electives.....	12		Electives.....	16	
Total.....	36		Total.....	36	

Total number of semester-hours for the four-year course, 144.

No student whose quality-point index is below 2.00 will be admitted to the junior year of the curriculum leading to the degree of Bachelor of Science. The purpose of this curriculum is to allow a student who has demonstrated his ability to do better than passing work to center his attention upon a group of subjects in which he has special interest. Options may be elected in Business Administration, Chemistry, Economics, Geology, Mathematics, Physics, or Statistics. The student's choice of subjects for the entire junior and senior years should be submitted to the Dean's Council for approval before the beginning of the junior year. The student must comply with such requirements as to subjects, schedules, and scholarship as the Department concerned may prescribe. This work must be taken at The George Washington University.

## THE PROFESSIONAL DEGREES

Professional degrees of Civil Engineer, Electrical Engineer, or Mechanical Engineer may be conferred upon graduates of the School of Engineering who have demonstrated their professional ability.

† Students who begin Physics with Physics 13 or 12, or Chemistry with Chemistry 12, are subject to a qualifying examination.



REQUIREMENTS FOR THE DEGREES

1. Application may not be made sooner than three years after graduation, and then only if the candidate has had responsible charge of engineering work.
2. A detailed statement of the candidate's experience, references, the degree sought, and the title of the thesis must be filed with the Dean eight months before the Commencement at which the degree is to be conferred.
3. If his application is accepted, the candidate must prepare his thesis as required by the Executive Officer of the Department concerned.
4. One typewritten original and two legible carbon copies of the thesis must be presented to the Dean not later than the date announced in the University calendar. Requirements regarding the form of the thesis are stated on page 41.



## THE SCHOOL OF PHARMACY

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*  
William Paul Briggs, M.S., *Dean of the School of Pharmacy*

### STAFF OF INSTRUCTION

Walter Lynn Cheney, Ph.D., *Professor of Physics*  
William Paul Briggs, M.S., *Professor of Pharmacy*  
Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages*  
Paul William Bowman, Ph.D., *Associate Professor of Biology*  
Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany*  
Chester Elwood Leese, Ph.D., *Associate Professor of Physiology*  
Ira Bowers Hansen, Ph.D., *Associate Professor of Zoology*  
Douglas Bement, A.M., LL.B., *Associate Professor of English*  
Samuel Nathaniel Wrenn, Ph.D., *Assistant Professor of Chemistry*  
Charles Rudolph Naeser, Ph.D., *Assistant Professor of Chemistry*  
Charles Owens Wilson, Ph.D., *Assistant Professor of Pharmaceutical Chemistry*  
Lea Gene Gramling, Ph.D., *Assistant Professor of Pharmacology and Pharmacognosy*  
Gretchen Louisa Rogers, Ph.D., *Assistant Professor of German*  
Helen Marie Dyer, Ph.D., *Assistant Professor of Biochemistry*  
Alden Franklin Roe, Sc.D., *Assistant Professor of Bacteriology*  
Maurice Hart Van Horn, Ph.D., *Assistant Professor of Chemistry*  
Lloyd Walter Hazleton, Ph.D., *Assistant Professor of Pharmacology*  
Asa Vernon Burdine, *Lecturer on Pharmaceutical Economics*  
Leopold Henry Forster, Phar.G., *Instructor in Hospital Pharmacy*

### SEMINAR LECTURERS

James Johnson Durrett, M.D., *Professorial Lecturer on Drug Control*  
Evander Francis Kelly, Phar.D., Sc.D., *Professorial Lecturer on Pharmaceutical Organizations*  
Carson Peter Frailey, Phar.D., *Professorial Lecturer on Industrial Pharmacy*  
Frederick John Cullen, Phar.G., M.D., *Professorial Lecturer on Drug Manufacture*



- Harrison Estell Howe, Sc.D., LL.D., D.Eng., *Professorial Lecturer on Scientific Literature*  
 Warren Fales Draper, A.B., M.D., *Professorial Lecturer on Public Health*  
 Albert Walton Kenner, Phar.D., M.D., *Professorial Lecturer on Military Pharmacy*  
 Robert Lee Swain, Phar.D., LL.B., *Professorial Lecturer on Contemporary Pharmacy*  
 James Albert Horton, LL.B., *Professorial Lecturer on Drug Trade Regulations*  
 Justin Lawrence Powers, Ph.D., *Professorial Lecturer on Official Drug Standards*  
 John Christian Krantz, Jr., Ph.D., *Professorial Lecturer on Pharmaceutical Research*  
 George Clemens Ruhland, M.D., *Professorial Lecturer on Hygiene and Sanitation*

## COMMITTEES\*

## ADVISORY COMMITTEE

Louis Francis Bradley, *Chairman*

Howard Bradbury

Samuel Louis Hilton

Malcolm Graeme Gibbs

Paul Pearson

William P. Herbst

Augustus Carrier Taylor

## THE DEAN'S COUNCIL†

Lea Gene Gramling

Ira Bowers Hansen

Charles Rudolph Naeser

## COMMITTEE ON SCHOLARSHIP

Paul William Bowman, *Chairman*

Charles Owens Wilson

Samuel Nathaniel Wrenn

## GENERAL INFORMATION

## INTRODUCTORY

In 1867 the foundation for the National College of Pharmacy was laid by the Apothecaries' Association of the District of Columbia. The

\* The President of the University and the Dean of the School of Pharmacy are members ex officio of all committees.  
 † Elected by the Faculty.

College was opened in 1872 and continued until 1906, when it became affiliated with The George Washington University.

The School of Pharmacy is accredited by the American Council on Pharmaceutical Education.

The School of Pharmacy is a member of the American Association of Colleges of Pharmacy.

Washington offers many opportunities for the study of Pharmacy. Not only are the facilities of government laboratories and libraries open to students, but the School of Pharmacy is located only a few blocks from the American Institute of Pharmacy building, in which have been established a pharmaceutical museum and library, and research laboratories which have brought to Washington the outstanding men of the profession.

#### ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 11-15.

Candidates for admission to the School of Pharmacy must submit a Junior Certificate or the equivalent.

Applicants for admission to the School of Pharmacy who present a baccalaureate degree from an accredited institution or who have completed work in the general cultural, or foundational subjects of the pharmacy curriculum may be admitted to advanced standing. No more than one year of credit in time will be given to any student applying for advanced standing from any institution other than an accredited college of pharmacy.

#### REGISTRATION

For information and regulations regarding registration, see pages 16-17.

#### FEES AND FINANCIAL REGULATIONS

For statement of fees and financial regulations, see pages 18-23.

#### SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

For particulars regarding scholarships, prizes, and loan funds, see pages 25-36.

#### GENERAL REGULATIONS

Students in the School of Pharmacy are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 11-23 and 37-42.

#### AMOUNT OF WORK

Normal work for any year is that outlined under the head of "Curriculum Requirements", below. A student who wishes to take more than the normal amount of work may do so only with the permission of the Committee on Scholarship, the members of which shall be guided in their decision by his scholastic record and the extent to which he is employed. A student on probation shall be limited in the amount of work he may carry.

#### ATTENDANCE

Students, except by special permission of the instructor, may not receive credit for any course if absences, including both lecture and laboratory, exceed in number for each semester the semester-hours of credit for the semester.

Absence consists of being away from a lecture or a laboratory, entering after the lecture or laboratory has begun, or leaving before either is dismissed.

#### EXAMINATIONS

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Committee on Scholarship. For special examinations a fee of \$5 will be charged for each subject.

#### ELIGIBILITY FOR EXAMINATION BEFORE STATE BOARDS OF PHARMACY

To be eligible for examination before most state boards of pharmacy applicants are required to present satisfactory evidence of college graduation and in addition must have had from one to four years of practical experience in a pharmacy where prescriptions are compounded. Students are not encouraged to obtain this professional experience while attempting a full course of study. In the case of students who maintain a quality-point index of 2.00 or higher, permission may be granted by the Dean to acquire a limited amount of this professional experience by work in a pharmacy while carrying a full schedule. Students who fall below a quality-point index of 2.00 will be required to reduce their academic load or to limit their professional-experience time to less than twenty-four hours a week.

#### COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 169.



## THE DEGREE

Upon the satisfactory completion of the requirements of the School of Pharmacy, the degree of Bachelor of Science in Pharmacy is conferred.

### REQUIREMENTS FOR THE DEGREE

#### SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 38-39.

In order to graduate, a student must have a quality-point index of at least 2.5 for all pharmacy courses.

*Probation.*—Students must maintain a quality-point index of at least 2.00, or they are placed on probation. Students remain on probation as long as they fail to attain this index.

*Suspension.*—Students who have a quality-point index below 1.00 or who are placed on probation for a third semester, whether successive or after an interval, are suspended. A student who receives a grade of *E* or *F* in two courses in any semester will be suspended.

Students suspended for a poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Dean of the School of Pharmacy that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students suspended twice for poor scholarship are not readmitted. (See the University ruling covering dismissal, page 42.)

For the purpose of these rules, the Summer Sessions are considered a semester.

In the case of students with limited schedules, the foregoing scholarship rules are applied only when the student has undertaken fifteen semester-hours or more.

### CURRICULUM REQUIREMENTS

The laboratory method of teaching is used. Recitation classes are held in connection with each course in order to provide systematic drill in the subjects. Students in Pharmacy have the advantage of obtaining instruction in any department of the University.

The curriculum requirements include at least 130 semester-hours of credit. The following curricula lead to the degree of Bachelor of Science in Pharmacy.

# The Colleges, Schools, and Divisions

## FOR UNDERGRADUATE STUDENTS Freshman and Sophomore Years

Courses	Did. hrs.	Lab. hrs.	Sem. hrs.	Clock hrs.
Courses in the Junior College (see page 57 and table facing pages 60-61)	702	992	64	1692

### Junior Year: First Semester

Chemistry 21.....	36	108	4	144
Pharmacy 105.....	36		2	36
Pharmacy 109.....	36	54	3	90
*Physics 13.....	36	36	3	72
Physiology 115.....	54		3	54
Physiology 117.....		54	1	54
Total.....	198	252	16	450

### Junior Year: Second Semester

Bacteriology 112.....	54	72	4	126
Pharmacy 102.....	36	108	4	144
Pharmacy 106.....	36		2	36
Pharmacy 108.....	18		1	18
Pharmacy 110.....	36	54	3	90
Elective .....	54		3	54
Total.....	234	234	17	468

### Senior Year: First Semester

†Biochemistry 221.....	36	72	4	108
Pharmacy 103.....	36	108	4	144
Pharmacy 165.....	64		3	64
*Pharmacy 173.....	36	108	4	144
Pharmacy 187.....	18		1	18
Total.....	190	288	16	478

\* Physics 13 may be substituted.

† With permission of the Dean, Biochemistry 221-22 may be replaced by other courses, for purposes of specialization.

‡ Chemistry 121 may be substituted.

# *The School of Pharmacy*

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## Senior Year: Second Semester

*Biochemistry 222.....	36	72		
Pharmacy 166.....	36	54	4	108
Pharmacy 174.....	36	108	3	90
Pharmacy 176.....	18		4	144
Pharmacy 178.....	36		1	18
Pharmacy 188.....	18		2	36
Pharmacy 192.....			1	18
†Elective .....	18	54	2	72
Total.....	198	288	17	486
Grand total.....	1522	2052	130	3574

\* With permission of the Dean, Biochemistry 221-22 may be replaced by other courses, for purposes of specialization.

† Pharmacy 164, 172, 184, or 186 recommended.





## THE SCHOOL OF EDUCATION

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*  
James Harold Fox, A.M., Ed.D., *Dean of the School of Education*

### STAFF OF INSTRUCTION

Henry Grattan Doyle, A.M., *Professor of Romance Languages*  
William Cullen French, Ph.D., *Professor of Education*  
Willard Hayes Yeager, A.M., *Dewey Professor of Public Speaking*  
Donnell Brooks Young, Ph.D., *Professor of Zoology*  
Ruth Harriet Atwell, A.M., *Professor of Physical Education for Women*  
Frank Mark Weida, Ph.D., *Professor of Statistics*  
Mitchell Dreece, Ph.D., *Professor of Educational Psychology*  
Claud Max Farrington, A.M., *Professor of Physical Education for Men*  
Frank Washington Ballou, Ph.D., *Adjunct Professor of Education*  
Julia Letheld Hahn, Ph.D., *Adjunct Professor of Education*  
Sidney Bartlett Hall, A.M., Ed.D., *Adjunct Professor of Education*  
Chester Winfield Holmes, Ed.D., *Adjunct Professor of Education*  
Benjamin Franklin Kyker, A.M., *Adjunct Professor of Education*  
Maris Marion Proffitt, Ph.D., *Adjunct Professor of Education*  
William Carson Ryan, Jr., Ph.D., Ed.D., LL.D., *Adjunct Professor of Education*  
Meredith Chester Wilson, B.S., *Adjunct Professor of Education*  
Neils Peter Neilson, Ph.D., *Adjunct Professor of Education*  
Harry Albert Jager, A.M., *Visiting Professorial Lecturer in Education*  
Giles Murrel Ruch, Ph.D., *Visiting Professorial Lecturer in Education*  
Frances Kirkpatrick, A.M., *Associate Professor of Home Economics*  
Courtland Darke Baker, A.M., *Associate Professor of English*  
Raymond John Seeger, Ph.D., *Associate Professor of Physics*  
Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany*  
James Harold Fox, A.M., Ed.D., *Associate Professor of Education*  
Wood Gray, Ph.D., *Associate Professor of American History*  
Thelma Hunt, Ph.D., M.D., *Associate Professor of Psychology*  
Ralph Dale Kennedy, Ph.D., *Associate Professor of Accounting and Business Administration*

- Carl Douglas Wells, B.D., Ph.D., *Associate Professor of Sociology*  
 Kathryn Mildred Towne, A.M., *Assistant Professor of Home Economics*  
 Helen Bennett Lawrence, A.M., *Assistant Professor of Physical Education for Women*  
 William Henry Myers, A.B., *Assistant Professor of Physical Education for Men*  
 Ruth Emma Coyner, Ph.D., *Assistant Professor of Education*  
 Burnice Herman Jarman, A.M., Ed.D., *Assistant Professor of Education*  
 Jenny Emsley Turnbull, A.M., *Assistant Professor of Physical Education for Women*  
 Bernath Eugene Phillips, A.M., *Assistant Professor of Physical Education for Men*  
 Maude Nelson Parker, *Lecturer in Physical Education for Women*  
 Birch Evans Bayh, A.M., *Lecturer in Education*  
 Jane Frost Hilder, *Lecturer in Education*  
 Helen Katherine Mackintosh, Ph.D., *Visiting Professorial Lecturer in Education*  
 Agnes Kerr Tweedie, Ed.M., *Lecturer in Education*  
 Ruth Kincer Webb, A.M., *Lecturer in Education*  
 Lili Peller, *Lecturer in Education*  
 Mildred Dean, A.B., *Visiting Lecturer in Education*  
 Elizabeth Burtner, A.M., *Instructor in Physical Education for Women*  
 Oliver Edwin Baker, Ph.D., Sc.D., *Research Associate in Education*  
 John Kerr Rose, Ph.D., *Research Associate in Education*  
 Helen Taylor Hanford, A.M., *Associate in Physical Education for Women*

## COMMITTEES\*

## THE DEAN'S COUNCIL†

1941

William Cullen French  
 Lawson Edwin Yocum

1942

Willard Hayes Yeager  
 Ruth Emma Coyner

1943

Donnell Brooks Young  
 Burnice Herman Jarman

\* The President of the University and the Dean of the School of Education are members of all committees.  
 † Elected by the Faculty.



COMMITTEE ON ADMISSION AND ADVANCED STANDING

Harold Griffith Sutton

Thelma Hunt

Ruth Emma Coyner

Willard Hayes Yeager

Burnice Herman Jarman

COMMITTEE ON SCHOLARSHIP

William Cullen French, *Chairman*

Frances Kirkpatrick

Ruth Harriet Atwell

William Henry Myers

COMMITTEE ON DISCIPLINARY RELATIONS

Mitchell Dreese, *Chairman*

Bernath Eugene Phillips

Kathryn Mildred Towne

GENERAL INFORMATION

INTRODUCTORY

It is the purpose of the School of Education to prepare teachers, supervisors, and administrators for the higher ranges of educational service and to offer opportunities to teachers of experience to extend their education. The school embraces the Departments of Education, Physical Education, and Home Economics, and it is affiliated with all the other departments of the University in which the student is likely to elect work. It offers both graduate and undergraduate work.

The schedule of courses is arranged to meet the convenience of both full-time and part-time students. By attending afternoon, Saturday, and summer classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 11-15.

FOR THE BACHELOR'S DEGREES

Admission to the undergraduate division of the School is based on (1) the satisfactory completion of two years of approved college work, or (2) graduation from an approved two-year normal school or the equivalent. Students meeting these requirements are admitted as regular stu-

dents. Others may be admitted to the Division of University Students on the presentation of evidence that they are qualified to pursue the work to advantage.

Students transferring from other colleges or from normal schools should request their high schools and their colleges or normal schools to transmit their credentials of work to the Director of Admissions at least one month before the beginning of the session that they wish to enter. All credentials must be in hand before the student may register. Credentials are official and acceptable only when transmitted directly from school to school, without passing through the hands of the student.

#### FOR THE HIGHER DEGREES

To be admitted to graduate standing a candidate must hold a baccalaureate degree from an accredited school or college or must have completed a course of study that is judged by the Faculty to be the equivalent. Candidates holding degrees from unaccredited institutions, whose work is judged by the Faculty to be more than twelve semester-hours short of a standard baccalaureate degree, must register for a Bachelor's degree; others may remove their deficiencies while registered for the higher degree.

#### REGISTRATION

For information and regulations regarding registration, see pages 16-17.

#### FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see page 18-23.

#### SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

For particulars regarding scholarships, prizes, and loan funds, see pages 25-36.

#### INDEPENDENT STUDY PLAN

A student of demonstrated capacity with special interest in a course may, upon the approval of his project by the instructor in charge and by the Dean, be permitted to undertake independent study under the personal direction of the instructor.

### GENERAL REGULATIONS

*Students in the School of Education are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 11-23 and 37-42.*

### AMOUNT OF WORK

A normal program of work for undergraduate students is sixteen or seventeen hours a week. Students with a quality-point index of 3.00 or higher may, with the Dean's permission, take nineteen hours. More than nineteen hours may not be taken except by special permission of the Committee on Scholarship.

For employed students ten hours' work a week constitutes a normal program. Students with a quality-point index of 3.00 or higher for the preceding semester may be permitted by the Dean to take twelve or thirteen hours.

For graduate students twelve hours' work a week, exclusive of the thesis, constitutes a normal program. Employed students may not take more than nine hours a week.

### COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 169. The system of numbering courses is explained on pages 171-72.

### THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of the School of Education, the degree of Bachelor of Arts in Education, Bachelor of Science in Home Economics, or Bachelor of Science in Physical Education is conferred.

The program of work of each student must be approved by a Faculty adviser. Since each student's program of work will be defined by his particular needs, it is important that the student have a clear conception of his major interest in Education, and also that he be familiar with the teaching-certificate requirements in the locality in which he expects to teach.

### REQUIREMENTS FOR THE DEGREES

To be recommended for a degree a student must satisfy the admission, residence, scholarship, and curriculum requirements. Particular attention is called to the statement of graduation requirements on pages 39-40.



### RESIDENCE

A minimum of one year, or thirty semester-hours, must be completed in residence in the School of Education. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean to pursue work elsewhere, the work of the senior or final year must be completed in residence.

Students intending to attend summer-school sessions at other institutions and desiring to count credits so obtained toward degrees in the School of Education must first obtain the written approval of the Dean. In no event will such credits be recognized to an amount in excess of that which might be earned in a similar period in this University.

### NONCONTINUOUS ATTENDANCE

Students who withdraw or are suspended, or who fail to register and attend for one semester or more, or one Summer Session, may reenter and continue their work only under the rules and regulations in force at the time of their return. For the purpose of this regulation, the Summer Sessions shall not be considered a semester with respect to students registered in the regular sessions.

Students unable to continue their work for one or more semesters because of illness or the pressure of duties in connection with their regular occupations may be permitted by the Dean to register in residence on payment of the University fee. (See page 37.)

### SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 38-39.

In order to graduate, a student must have a quality-point index of at least 2.00.

*Probation.*—Students who fail to maintain a quality-point index of at least 2.00 are placed on probation. Students remain on probation as long as they fail to attain this index.

*Suspension.*—Students who fail to pass (i.e., who receive a grade of *E* or *F*) in half or more of their work, based on a minimum of sixteen semester-hours, are suspended.

A student who has been suspended for poor scholarship may within ten days appeal his case to the Committee on Scholarship through the Dean. If the case appears to be remediable and the student appears likely to improve in his scholarship thereafter, the committee may readmit him on probation. A student who has been denied readmission on probation may petition the Committee on Scholarship through the Dean for readmission.

after the lapse of a calendar year. A student who has been suspended twice will not be readmitted. (See the University ruling covering dismissal, page 42.)

### CURRICULUM REQUIREMENTS

In any of the following curricula at least thirty semester-hours of work must consist of courses numbered above 100.

#### BACHELOR OF ARTS IN EDUCATION

Students admitted with two years of approved college work are granted the degree of Bachelor of Arts in Education upon the satisfactory completion of sixty-six semester-hours of work. This work must include:

	Sem. hrs.
*Education (including Observation and Cadet Teaching).....	18
†Educational Psychology .....	2 or 3
†Educational Sociology .....	2 or 3
Subject-matter field .....	24 to 36
Electives .....	6 to 20

To the extent that courses in the foregoing list are offered for admission, the range of electives is increased.

**Normal School Students.**—Students from approved normal schools are granted such advanced standing as their credentials warrant. Their unfinished requirements are determined by the Dean.

**Subject-Matter Field.**—Courses elected within the subject-matter field will depend upon the teaching certificate desired. Usually twenty-four to thirty-six semester hours are required. The subject-matter program should be planned in consultation with, and must be approved by, the Faculty adviser in the field selected. Relevant work completed in normal school or junior college may be counted toward the subject-matter requirements with the approval of the Faculty adviser.

#### BACHELOR OF SCIENCE IN HOME ECONOMICS

The program of work of each student will be planned with the assistance of a Faculty adviser in the Department of Home Economics.

The purpose of the general home-making course is to educate young women for the important responsibility of home-making and to prepare them adequately for modern living.

Since there will be variation in the needs of each student, the general home-making program can be adapted with the assistance of the Faculty adviser to meet any special requirements.

\* The choice of electives in Education and the number of semester-hours in excess of eighteen will depend largely upon the certification requirements that the student wishes to meet. Courses listed on pages 21-28 as "Closely Related Courses in Other Departments" are accepted in fulfilling the requirement of eighteen semester-hours in Education, with the exception of Educational Psychology and Educational Sociology.

† Required in addition to eighteen semester-hours in Education.

*General Home-Making Course*

Junior Year	Sem. hrs.	Senior Year	Sem. hrs.
Biochemistry 120 or electives.....	4	Home Economics 152.....	3
Home Economics 72.....	3	Home Economics 171.....	3
Home Economics 102.....	3	Home Economics 192.....	3
Home Economics 123.....	3	Home Economics 197-98.....	6
Physiology 115.....	3	Psychology 125.....	3
Electives.....	14	Sociology 176.....	3
		Electives.....	9
Total.....	30	Total.....	30

## BACHELOR OF SCIENCE IN PHYSICAL EDUCATION FOR MEN

*Dual-Major Teacher's Course*

The minimum requirements for this degree are twenty-three semester-hours in Physical Education, eighteen semester-hours in Education (including Sociology 121), eighteen semester-hours in a subject-matter group, and seven semester-hours of electives, distributed as follows:

Junior Year	Sem. hrs.	Senior Year	Sem. hrs.
Education 156.....	3	Education 131.....	2
Education electives.....	4	Education 133-34.....	6
Physical Education 48 and 49....	4	Physical Education 118.....	3
Physical Education 101 and 102..	4	Physical Education electives.....	8
Physical Education 105-6.....	4	Electives.....	14
Sociology 121.....	3		
Electives.....	11	Total.....	33
Total.....	33		

*Single-Major Teacher's Course*

The minimum requirements for this degree are thirty-two semester-hours in Physical Education, eighteen semester-hours in Education (including Sociology 121), and sixteen semester-hours of electives, distributed as follows:

Junior Year	Sem. hrs.	Senior Year	Sem. hrs.
Education 156.....	3	Education 131.....	2
Education electives.....	4	Education 133-34.....	6
Physical Education 48 and 49....	4	Physical Education 111.....	2
Physical Education 101 and 102..	4	Physical Education 117.....	3
Physical Education 105-6.....	4	Physical Education 118.....	3
Physical Education 107-8.....	4	Physical Education 141-42.....	4
Physical Education 109-10.....	4	Electives.....	13
Sociology 121.....	3		
Electives.....	3	Total.....	33
Total.....	33		



BACHELOR OF SCIENCE IN PHYSICAL EDUCATION FOR WOMEN

The minimum requirements for this degree are sixty-six semester-hours, distributed as follows:

Junior Year		Senior Year	
	Sem. hrs.		Sem. hrs.
Education 156 .....	3	Education 133-34 .....	6
Physical Education 101-2 .....	6	Education 148 .....	3
Physical Education 103 and 104 ..	5	Physiology 115 .....	3
Physical Education 109-10 .....	4	Physical Education 112 .....	3
Physical Education 118 .....	1	Physical Education 113-14 .....	4
Sociology 121 .....	3	Physical Education 116 .....	3
Subject-matter field or electives ..	11	Physical Education 117 .....	2
		Subject-matter field or electives ..	9
Total .....	33	Total .....	33

Students desiring to prepare themselves to teach another subject in addition to Physical Education for Women may do so by choosing their elective hours from one subject-matter field with the advice of the Executive Officer. Relevant work completed in the Junior College may be counted in this subject-matter field.

THE HIGHER DEGREES

Upon the satisfactory completion of the graduate requirements of the School of Education, the degree of Master of Arts or the degree of Doctor of Education is conferred.

GENERAL INFORMATION

COURSES ACCEPTABLE

Fully qualified graduate courses are numbered 201 and above. Courses numbered 101-200 may be credited toward a higher degree when approved by the student's committee and after the completion of additional work in them has been certified by the instructors in charge. Courses numbered 1-100 may not be credited toward a higher degree, but may in certain instances be required as a basis for advanced work.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

ADMISSION

In addition to admission requirements previously stated, the applicant for admission to candidacy for the degree of Master of Arts must be accepted by the Committee on Admission and Advanced Standing. The general procedure in meeting this requirement includes scholarship and

personality ratings from instructors under whom the candidate has studied, a personal interview with the Dean, and a scholastic-aptitude test.

### TRANSFERRED WORK

Graduate work completed in other accredited institutions of learning may be credited toward the Master's degree, but a minimum of twenty-four semester-hours of work must be completed at The George Washington University.

Advanced courses completed in excess of the requirements for the baccalaureate degree in The George Washington University may be credited toward the Master's degree to the extent of twelve semester-hours, provided the work fits in with the student's plan of specialization and is approved in writing by the Dean before it is undertaken.

Work completed more than three years prior to registration for the Master's degree at The George Washington University will be credited only after the candidate has satisfied the department concerned that he is proficient in the subject matter of the courses offered for credit. Such proficiency may be determined by examination or by other means.

### PROGRAM OF STUDIES

The degree of Master of Arts is a professional degree, designed to prepare the student for some particular type of educational service. The program of studies leading to the degree will be selected by the candidate and his consultative committee from the various related departments of the University to give the student an adequate background in his chosen vocational field. For prospective high school and junior high school teachers this will ordinarily include study in the subject which the candidate is planning to teach as well as in the field of Education.

### RESIDENCE

A candidate must pass in resident study at this University at least two semesters, or one semester and one nine-week summer term, or three nine-week summer terms, or four six-week summer terms.

### AMOUNT OF WORK

A student whose previous preparation in his chosen field has been adequate may complete his requirements, including the thesis, by a minimum of thirty semester-hours of work; others may be required to take as many as twelve semester-hours additional.

### THE THESIS

The program of study will be rounded out by a thesis, which will count as six semester-hours of credit toward the degree. It may be of a research, expository, critical, or creative type, and is intended to demonstrate the student's ability to make independent use of the information and training that he has acquired, and to furnish objective evidence of his constructive powers in his chosen field. The thesis subject must be approved in writing by the candidate's adviser and recorded in the Office of the Registrar by the date announced in the University calendar. One typewritten original and three legible carbon copies of the thesis in its final form must be presented to the Dean by the candidate not later than the date announced in the University calendar. Requirements regarding the form of the thesis are stated on page 41.

Payment of tuition for the thesis will entitle the candidate, during the academic year of registration, to the advice and direction of the member of the Faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period, it must be registered for again, and tuition paid on the same basis as for a repeated course.

### FINAL EXAMINATION

In addition to the course examinations, the candidate must pass a final examination on the thesis and its related fields. The examination may be either oral or written, or both.

If the thesis is submitted more than three years after the course requirements have been completed, a written examination covering the student's complete program of study will also be required.

### REQUIREMENTS FOR THE DEGREE OF DOCTOR OF EDUCATION

The requirements for the degree of Doctor of Education cannot be stated in semester-hours, but they consist in general of at least three full years of work beyond a standard Bachelor's degree. It is the function of these requirements to prepare students for administrative and supervisory positions, the teaching of Education in normal school or college, the teaching of an academic subject in school or college, and specialized types of educational services. The work is given a practical rather than a theoretical bent, and emphasizes the mastery and application of subject matter, both in the study requirements and in the thesis. Special emphasis is placed upon the professional success of the candidate.



#### QUALIFICATIONS OF THE APPLICANT

The candidate for the degree of Doctor of Education must (1) have completed graduate work in fields prerequisite to his objective, equivalent to that required for the degree of Master of Arts in The George Washington University, and (2) have had at least three years of successful educational experience.

#### ADMISSION TO CANDIDACY

To be admitted to candidacy for the degree the applicant must be accepted by the Faculty of the School of Education on the basis of an examination conducted by a committee appointed by the Dean. This examination will usually include the following: (1) a written examination involving problems related to the applicant's background; (2) a scholastic-aptitude test; (3) an oral examination.

#### CONSULTATIVE COMMITTEE

If the applicant is accepted as a candidate, his consultative committee shall counsel the candidate and guide his work.

The consultative committee, in cooperation with the candidate, shall (1) determine the candidate's fields of study, in each of which the candidate must pass a written examination at least eight months before he presents himself for the degree; (2) formulate a list of course requirements and of readings that will assist him in preparing for these examinations; and (3) designate the tools of investigation that will be needed by the candidate in the prosecution of his study. These tools may include one or more foreign languages, statistical methods, historical criticism, or any others considered essential by the committee. An examination in the tools designated must be passed by the candidate before he takes his comprehensive examination.

#### THESIS ADVISER

After the candidate has satisfied the requirements enumerated in the preceding section, his committee is dissolved, and he is assigned to a member of the Faculty in whose field the topic of his thesis falls. It is the duty of this person to serve as the candidate's adviser on his thesis and in his field of specialization, and to recommend him to the Dean for the final oral examination when, in his judgment, the candidate's thesis is acceptable.

#### THE DOCTORAL THESIS

Not later than the date specified in the University calendar the candidate shall submit to the Dean of the School of Education four copies of his thesis—one typewritten original, on official thesis paper, and three

legible carbon copies—and also a typewritten summary of the thesis consisting of not more than 2,500 words. Requirements regarding the form of the thesis are stated on page 41.

The successful candidate is required, before receiving his degree, to pay a fee to cover the expense of printing the summary of his thesis.

#### THE FINAL EXAMINATION

At least three weeks before the degree is to be conferred the candidate must pass an oral examination on his thesis and on his field of specialization before a committee of the Faculty appointed by the Dean, supplemented by two experts from outside the University appointed by the President. This examination is open to the public, and all are privileged to question the candidate. The Dean, or a member of the Faculty designated by him, will preside at this examination.

#### THE EDUCATION GUILD

To test methods of greater freedom in preparing for the doctoral examination and of correlating the doctoral work more closely with the candidate's occupation, the University in 1935-36 entered upon an experiment. Persons already professionally employed in Washington and vicinity and known for their leadership in the classroom, in supervision, and in administration were invited to form a group for advanced study and discussion. Each member of this group is under the guidance of a consultative committee and must satisfy all the requirements laid down by the Faculty for the degree of Doctor of Education. Attendance upon seminars is advised but is left optional, directed reading and personal conferences largely taking their place.

This group has decided to call itself "The Education Guild of The George Washington University". It has its own officers and is largely under its own management. Membership, at present restricted to twenty, is subject to invitation, and includes both men and women. Meetings, usually preceded by a dinner, are held from four to six times a year.





## THE SCHOOL OF GOVERNMENT

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*

—, *Dean of the School of Government*

Warren Reed West, Ph.D., *Assistant Dean of the School of Government*

### STAFF OF INSTRUCTION

John Donaldson, Ph.D., *Professor of Political Economy*

Richard Norman Owens, Ph.D., C.P.A., *Professor of Accounting and Business Administration*

Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking*

Frank Mark Weida, Ph.D., *Professor of Statistics*

Warren Reed West, Ph.D., *Professor of Political Science*

Harold Griffith Sutton, M.S., *Professor of Finance*

Lowell Joseph Ragatz, Ph.D., *Professor of European History*

William Crane Johnstone, Jr., Ph.D., *Professor of Political Science*

Wilford Lenfestey White, M.B.A., D.C.S., *Professorial Lecturer on Marketing*

Colón Eloy Alfaro, *Professorial Lecturer on International Law*

James Christopher Corliss, A.M., *Adjunct Professor of Inter-American Economics*

Arthur Edward Burns, Ph.D., *Adjunct Professor of Economics*

Merle Irving Protzman, A.M., *Associate Professor of Romance Languages*

John Albert Tillema, Ph.D., LL.M., S.J.D., *Associate Professor of Political Science*

Alva Curtis Wilgus, Ph.D., *Associate Professor of Hispanic American History*

Ralph Dale Kennedy, Ph.D., *Associate Professor of Accounting and Business Administration*

Edward Champion Acheson, Ph.D., *Associate Professor of Finance*

John Withrow Brewer, Ph.D., *Associate Professor of International Law*

Steuart Henderson Britt, Ph.D., *Assistant Professor of Psychology*

Donald Stevenson Watson, Ph.D., *Assistant Professor of Economics*

Howard Maxwell Merriman, Ph.D., *Assistant Professor of American Diplomatic History*

John Randolph Riggleman, Ph.D., *Lecturer in Statistics*

George Howland Cox, *Lecturer on Hispanic American History*

#### COMMITTEES\*

##### THE DEAN'S COUNCIL†

1941

Alva Curtis Wilgus

Frank Mark Weida

1942

Steuart Henderson Britt

Howard Maxwell Merriman

1943

John Withrow Brewer

Willard Hayes Yeager

##### COMMITTEE ON ADMISSION AND ADVANCED STANDING

The Dean of the School, *Chairman*

Harold Griffith Sutton, *Secretary*

Ralph Dale Kennedy

Arthur Edward Burns

Donald Stevenson Watson

John Albert Tillema

Richard Norman Owens

#### GENERAL INFORMATION

##### INTRODUCTORY

The George Washington University School of Jurisprudence and Diplomacy existed from 1898 to 1913, when it was discontinued as a separate school. The courses were given, however, in Columbian College until September 1928, when training in foreign service and governmental theory and administration was reestablished as a separate branch under the School of Government.

It is the purpose of the School to give its students an understanding of the responsibilities under the Constitution of the United States in the conduct of public office—domestic and foreign. This can be accomplished not through any single course but through a curriculum which correlates social, economic, political, historical, and psychological studies.

The courses in domestic government train in the theory of, and practice in, local, state, and national positions. The courses in Foreign Service

\* The President of the University and the Dean of the School of Government are members ex officio of all committees.

† Elected by the Faculty.

train students for the many opportunities offered in the foreign fields to carry out the ideals for which America stands, not only in governmental work but in the much wider field of foreign trade as conducted by private enterprise in all parts of the world. This training fits the student especially to assist American citizens who have occasion to travel or to do business abroad, to understand their reciprocal rights and duties, and to protect them in these rights without infringing upon the rights of others, as well as to collect and report information concerning commercial conditions and opportunities abroad. The student thus gains an insight into international affairs from both the American and the foreign point of view, with a resultant broader understanding of economic and political problems.

#### ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 11-15.

Special students and auditors are referred to the Division of University Students.

#### FOR THE BACHELOR'S DEGREE

Applicants for admission to the School of Government must present a Junior Certificate based on the proper curriculum in Government in the Junior College, or the equivalent.

#### FOR THE MASTER'S DEGREE

Applicants for admission to the School of Government having the intention of becoming candidates for the degree of Master of Arts must present a baccalaureate degree from an accredited institution, or evidence of a course of study that is judged by the Faculty to be the equivalent, and a transcript of the studies previously pursued. Students from unaccredited institutions may be admitted at the discretion of the Dean's Council, but such students are required to take such extra work above the minimum requirements as may be prescribed.

The course of study pursued for the Bachelor's degree must be approved by the Dean as having provided the proper basic training to justify registration for the higher degree. If this course of study is deemed inadequate, additional undergraduate work will be required. The Dean may permit deficiencies to be made up concurrently with work for the degree.

Registration for the degree does not constitute formal candidacy. The further requirements for formal candidacy are stated on page 157.

#### REGISTRATION

For information and regulations regarding registration, see pages 16-17.



## FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 18-23.

## SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

For particulars regarding scholarships, prizes, and loan funds, see pages 25-36.

## INDEPENDENT STUDY PLAN

Under the independent study plan a student of demonstrated capacity, with special interest in the subject matter of a course, may be permitted to undertake independent study under the personal direction of an instructor, in accordance with the rules of the division in which the subject falls. Credit under this plan is limited to the specific course-credits as designated in the list of courses of instruction in this CATALOGUE.

## GENERAL REGULATIONS

*Students in the School of Government are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 11-23 and 37-42.*

## AMOUNT OF WORK

Full-time students not on probation may take ordinarily not more than seventeen semester-hours. Students employed more than twenty-four hours a week, who are not on probation, may take not more than ten semester-hours.

Full-time undergraduate students whose quality-point index is 3.50 or higher may take not more than nineteen semester-hours. Undergraduate students employed more than twenty-four hours a week, whose quality-point index is 3.50 or higher, may take up to twelve semester-hours.

Exceptions to these rules will require the approval of the Dean.

## ATTENDANCE

The student is held responsible for all the work of the courses in which he is registered, and all absences must be excused by the instructor in charge before provision is made for him to make up the work missed.

## CLASSIFICATION OF STUDENTS

A student who holds a Junior Certificate from the Junior College, or the equivalent from an accredited institution, and who has registered

his choice of one of the prescribed curricula at the Office of the Registrar, is classed as a *junior*. A student who has completed thirty semester-hours in the School of Government is classed as a *senior*. A student who has satisfactorily completed the work for the baccalaureate degree, and who has registered his choice of one of the prescribed fields of study at the Office of the Registrar, is classed as a *master in course*.

### COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 169.

### THE DEGREE OF BACHELOR OF ARTS

Upon the satisfactory completion of the undergraduate requirements of the School of Government, the degree of Bachelor of Arts in Government, with a designation of the major field of study, is conferred. The major fields are Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, and Public Accounting.

### REQUIREMENTS FOR THE DEGREE

#### SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 38-39.

In order to graduate, a student must attain the following: (1) a quality-point index in all of his work of at least 2.00 and (2) a quality-point index of at least 2.50 in thirty semester-hours, excluding electives, in the work of the third and fourth years.

*Probation.*—Students must maintain a quality-point index of at least 2.00, or they are placed on probation. Students remain on probation as long as their quality-point index on all work taken is below 2.00.

*Suspension.*—Students who have a quality-point index below 1.00 or who are placed on probation for a third semester, whether successive or after an interval, are suspended.

For the purpose of these rules, the Summer Sessions are considered a semester.

Students suspended for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Admission and Advanced Standing that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students suspended twice for poor scholarship are not readmitted. (See the University ruling covering dismissal, page 42.)

In the case of students with limited schedules, the foregoing scholarship rules are applied only when the student has undertaken fifteen semester-hours or more.

### CURRICULUM REQUIREMENTS

For recommendation for graduation the School of Government requires, in addition to the appropriate Junior College work (see page 57 and table facing pages 60-61), a minimum of sixty semester-hours during the two senior college years, as set forth in one of the following curricula. The third and fourth years of these seven curricula lead to the degree of Bachelor of Arts in Government with a designation of the major field of study; the graduate years as here outlined lead to the degree of Master of Arts (see pages 158-59) in the respective fields. Electives as well as other subjects must be approved by the Dean.

#### PUBLIC AFFAIRS

Third Year	Sem. hrs.	Fourth Year	Sem. hrs.
Economics 119-20 .....	6	Economics 126 .....	3
Political Science 121-22 .....	6	Political Science 117 .....	3
Public Speaking 1 .....	3	Political Science 124 .....	3
Public Speaking 2 .....	3	Psychology 151 .....	3
Sociology 27 and 28 .....	6	Psychology 154 .....	3
Electives .....	6	Electives .....	15
Total .....	30	Total .....	30

#### Graduate Year

	Sem. hrs.
Political Science 209-10 .....	6
Thesis .....	6
Electives .....	18

(To be selected from Business Administration 115; Economics 105, 106, 165, 166, 167; History 144, 147, 171-72; Political Science 111, 112, 151-52, 181-82)

Total .....	30
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#### FOREIGN SERVICE

Third Year	Sem. hrs.	Fourth Year	Sem. hrs.
Economics 110 .....	3	Economics 183 .....	3
Economics 119-20 .....	6	Economics 184 .....	3
Economics 181-82 .....	6	History 174 .....	3
History 181-82 .....	6	Political Science 112 .....	3
Political Science 111 .....	3	Political Science 171 .....	3
Political Science 127 .....	3	Political Science 181-82 .....	6
Political Science 128 .....	3	Political Science 275-76 .....	6
Total .....	30	Electives .....	3
		Total .....	30



# *The School of Government*

155

Graduate Year		Sem. hrs.
Political Science 281-82.....		6
Thesis .....		6
Electives .....		18
(To be selected from Economics 185-86, 187-88, 285, 286, 287-88; History 147, 151-52, 161-62, 163, 174; Political Science 112, 128, 129, 192, 194; Statistics 108)		
Total.....		30

## FOREIGN COMMERCE

Third Year	Sem. hrs.	Fourth Year	Sem. hrs.
Business Administration 171.....	3	Business Administration 174.....	3
Business Administration 185.....	3	Economics 183.....	3
Business Administration 186.....	3	Economics 184.....	3
Economics 110.....	3	Political Science 181-82.....	6
Economics 119-20.....	6	Statistics 101-2.....	6
Economics 181-82.....	6	Electives .....	9
Political Science 127.....	3	Total.....	30
Political Science 128.....	3		
Total.....	30		

Graduate Year		Sem. hrs.
Economics 285, 286.....		6
Economics 287-88.....		6
Thesis .....		6
Electives .....		12
(To be selected from Economics 105, 281-82, 283-84, 287-88; History 174; Political Science 281-82)		
Total.....		30

## PUBLIC ADMINISTRATION

Third Year	Sem. hrs.	Fourth Year	Sem. hrs.
Business Administration 142.....	3	Economics 119.....	3
Economics 126.....	3	Psychology 131.....	2
Political Science 115.....	3	Psychology 141.....	3
Political Science 151-52.....	6	Psychology 151.....	3
Psychology 1.....	3	Electives .....	19
Psychology 2.....	3	Total.....	30
Statistics 101-2.....	6		
Electives .....	3		
Total.....	30		

Graduate Year		Sem. hrs.
Political Science 209-10, or Psychology 195-96.....		6
Thesis .....		6
Electives .....		18
(To be selected from Economics 142, 146, 165; History 147, 174; Political Science 111, 112, 115, 116, 121-22; Psychology 154; Sociology 145, 146)		
Total.....		30

## BUSINESS ADMINISTRATION

Third Year		Sem. hrs.	Fourth Year		Sem. hrs.
Business Administration 101-2...	6		Business Administration 115.....	3	
Business Administration 111.....	3		Business Administration 127.....	2	
Business Administration 140.....	3		Business Administration 128.....	2	
Business Administration 171.....	3		Business Administration 185.....	3	
Business Administration 182.....	3		Business Administration 186.....	3	
Economics 119-20 .....	6		Political Science 127.....	3	
Statistics 101-2 .....	6		Political Science 128.....	3	
			Electives .....	11	
Total.....	30		Total.....	30	

## Graduate Year

	Sem. hrs.
Business Administration 118.....	3
Thesis .....	6
Electives .....	21
(To be selected from Business Administration 151-52, 161, 172, 201-2; Economics 126)	
Total.....	30

## PUBLIC FINANCE

Third Year		Sem. hrs.	Fourth Year		Sem. hrs.
Business Administration 151-52..	6		Business Administration 111.....	3	
Economics 119-20 .....	6		Business Administration 115.....	3	
Economics 126 .....	3		Business Administration 142.....	3	
Political Science 127.....	3		Business Administration 157.....	3	
Political Science 128.....	3		Economics 146 .....	3	
Political Science 151-52.....	6		Political Science 115.....	3	
Electives .....	3		Electives .....	6	
Total.....	30		Total.....	30	

## Graduate Year

	Sem. hrs.
Economics 225 .....	3
Thesis .....	6
Electives .....	21
(To be selected from Business Administration 118, 127, 128, 151-52, 157, 182; Economics 175, 221-22)	
Total.....	30

## PUBLIC ACCOUNTING

Third Year		Sem. hrs.	Fourth Year		Sem. hrs.
Business Administration 101-2...	6		Business Administration 111.....	3	
Business Administration 151-52..	6		Business Administration 140.....	3	
Business Administration 161.....	3		Business Administration 157.....	3	
Business Administration 182.....	3		Business Administration 165.....	3	
Political Science 127.....	3		Business Administration 168.....	3	
Political Science 128.....	3		Political Science 151-52.....	6	
Statistics 101-2 .....	6		Political Science 129.....	3	
Total.....	30		Total.....	30	

Graduate Year		Sem.
Business Administration 251-52.....		hrs.
Thesis .....		6
Electives .....		6
(To be selected from Business Administration 115, 118, 171, 172; Economics 126; Statistics 103, 104A)		18
Total.....		30

### EXAMINATIONS FOR WAIVING CURRICULUM REQUIREMENTS

A student desiring to omit a required course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum requirement in that subject and may qualify for registration in an advanced course. Passing of this examination shall not entitle the student to any hours of credit toward the degree. Students desiring to take such examinations should make the request of the Dean.

A fee of \$5 for each examination is to be paid at the Office of the Comptroller and the receipt exhibited at the door of room 27, Corcoran Hall, on September 17 at 2:00 P.M. for the first semester, and on February 3 at 2:00 P.M. for the second semester. Two hours will be allowed for the examination. Should a student wish to take more than one examination, arrangements will be made accordingly.

### THE DEGREE OF MASTER OF ARTS

Upon the satisfactory completion of the graduate requirements of the School of Government, the degree of Master of Arts in Government, with a designation of the major field of study, is conferred. The major fields are Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, and Public Accounting.

### CANDIDACY

A student is formally recognized as a candidate for the Master's degree only when his application for candidacy has been approved by the Dean. Applications are made on a form obtainable at the Office of the Registrar, and such applications must be approved before the student becomes a formal candidate.

Before being admitted to candidacy the student must show a reading knowledge (certified by the appropriate language department) of at least one modern foreign language, to be approved by the Dean. Examinations in modern foreign languages will be given on Saturday, October 5, Saturday, February 8, and Saturday, May 3, at 2:00 P.M.



## REQUIREMENTS FOR THE DEGREE

A minimum of thirty semester-hours of work, as outlined in the curricula on pages 154-57, must be completed successfully. Variations from these curricula require the permission of the Dean.

Not more than twelve semester-hours of work may be taken in another professional School; and work so taken cannot be counted toward degrees in both Schools. No part of the minimum requirement may be taken in any other institution.

A second-group course (numbered 101-200) may be counted toward the Master's degree only when registration for advanced credit has been approved at the beginning of the course by the Dean and by the officer of instruction, and provided that the student shall have done such extra work in the course as may be prescribed by the instructor.

Work completed more than three years prior to registration for the Master's degree will be counted only if the candidate successfully passes an examination on the subject matter of the work offered for credit.

In addition to the course examinations, the candidate must pass a comprehensive written examination in his major field. An oral examination on his thesis may also be required.

Second-group courses (numbered 101-200) taken in the senior year of college may be counted toward the Master's degree, provided that at the beginning of such courses the student shall obtain the approval of the Dean and of the instructors in the courses, and provided that the student shall have done such extra work on the courses as may be prescribed by the instructors. No work counted toward a baccalaureate degree may be counted toward a Master's degree. A student working toward the Master's degree who is completing an undergraduate major must attain a grade of *B* or higher in each course undertaken as part of his undergraduate-major program.

A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree is strongly advised so to plan his program from the beginning that work for the lower degree may help to prepare him for the higher.

*Particular attention is called to the statement of graduation requirements on pages 39-40.*

## RESIDENCE

No credit is granted for work done in absentia, i.e., without formal instruction, except for the thesis, which may be completed in absentia with the permission of the department concerned.

## SCHOLARSHIP

Students whose scholarship is unsatisfactory may be suspended by the Dean. Regarding the system of grading, see pages 38-39.

### THE THESIS

The thesis must be registered for not later than the beginning of the final year, unless the professor in charge of the thesis permits registration at the beginning of the final semester. For this purpose the nine weeks' term of the Summer Sessions is considered a semester. The choice of the thesis subject must be approved by the professor in charge and recorded in the Office of the Registrar by the date announced in the University calendar. The typewritten thesis in its final form must have the approval of the professor in charge and must be presented to the Dean by the student not later than the date announced in the University calendar. Requirements in regard to the form of the thesis are stated on page 41.

Payment of tuition for the thesis will entitle the candidate, during the academic year of registration, to the advice and direction of the member of the Faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period, it must be registered for again, and tuition paid on the same basis as for a repeated course.





## THE DIVISION OF UNIVERSITY STUDENTS

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*  
Elmer Louis Kayser, Ph.D., *Dean of University Students*

### THE DEAN'S COUNCIL\*

Courtland Darke Baker  
Arthur Edward Burns

Mitchell Dreese  
Benjamin Douglass Van Evera

### GENERAL INFORMATION

#### INTRODUCTORY

The Division of University Students was organized in 1930 in order to make the work of the University in its several divisions more fully accessible to mature students and to provide for the offering of special courses to meet special demands as they might arise from time to time. Students registered in this Division are designated "University students", as distinguished from regularly matriculated undergraduate and graduate students.

#### ADMISSION

Men and women over twenty-one years of age may apply for admission as "University students", to pursue courses for which they have had adequate preparation. Applicants who present credentials evidencing eligibility for degree candidacy but who do not desire to become candidates for a degree in The George Washington University may be admitted as "University students". In each case the approval of the instructor concerned must be obtained. Applicants for admission must present a complete statement of the work previously pursued, on the University form. A student who is found unable to pursue with advantage a course for which he is registered may be dropped from the rolls of that course upon the recommendation of the instructor and with the approval of the Dean.

In special instances, with the permission of the instructor, a person may be registered as an "auditor" in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

\* The President of the University and the Dean of University Students are members ex officio of the council.

### "UNIVERSITY STUDENTS" IN THE LAW SCHOOL

A limited number of persons who cannot qualify as candidates for a degree in Law, but who are over twenty-five years of age and who because of their maturity, educational training, and practical experience seem qualified to pursue the study of Law, may be admitted as "University students" upon the approval of the Faculty of the Law School.

Candidates for admission as "University students" in the Law School must file written applications, setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Work done by such "University students" will not be counted toward a degree.

### REGISTRATION

For information and regulations regarding registration, see pages 16-17.

### FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 18-23.

### GENERAL REGULATIONS

*Students in the Division of University Students are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 11-23 and 37-42.*

### SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 38-39.

*Probation.*—Students must maintain a quality-point index of at least 2.00, or they are placed on probation. The cases of students having a quality-point index between 1.50 and 2.00, however, will be considered individually. A student remains on probation as long as his quality-point index is below 2.00, or until his probation is removed.

*Dismissal.*—A student who has a total quality-point index below 1.50 will be dropped. The cases of students having a total quality-point index between 1.35 and 1.50, however, will be considered individually.

A student who receives a grade of *E* or *F* in two courses in any two out of three successive semesters will be dropped.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence that during his absence from the

University he has so conducted himself as to indicate that he will profit by readmission. Students dropped twice for poor scholarship will not be readmitted. (See the University ruling covering dismissal, page 42.)

For the purpose of these rules, the Summer Sessions are considered a semester.

*Warnings.*—At stated intervals during the academic year instructors shall file in the Office of the Registrar the names of those students who are doing work of *D* grade or lower. These "warnings" shall be transmitted to the students concerned. Upon request a parent or guardian may receive a copy of a warning notice sent to a student. A warning constitutes notice to the student that he must consult the Dean within a reasonable time and in any case not later than two weeks after receipt of the warning. "Warning periods" are established as follows: First semester—November 1 to 15. Second semester—March 15 to 30. Summer Sessions—six-week courses, third to fourth week; nine-week courses, fourth to fifth week.

In the case of students with limited schedules, the foregoing scholarship rules are applied only when the student has undertaken fifteen semester-hours or multiples thereof, unless he receives a grade of *E* or *F* in two courses in any two out of three successive semesters.

#### TRANSFER TO REGULAR STATUS

"University students" may be transferred, at their request, to other Colleges, Schools, or Divisions of the University only upon complying with the regulations of the specific College, School, or Division to which they wish to transfer. Students should familiarize themselves with the regulations printed in the University CATALOGUE concerning admission, residence, amount and quality of work. Specifically, they should note that in some cases not more than thirty (30) semester-hours of credit may be transferred from this Division; that at least the last thirty (30) semester-hours must be spent in residence in the College, School, or Division granting the degree; and that a general quality-point index of 2.00 must be maintained, with an index of 2.50 in the major.

#### COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 169.

#### EXTENSION COURSES

Special courses may be offered at the University or away from the University whenever the demand exists and the University is able to furnish proper facilities for instruction. Such courses may be credit or noncredit courses, according to University regulations. If they are for



credit, the work will be of the same character and standard as that offered by the University in its regular courses.

Extramural classes may be formed by local groups. Such groups may determine, upon consultation with the Dean, the possibility of organizing the type of extramural work which they desire. Extramural courses will generally be arranged to meet in one period for one hour and forty minutes weekly, for fifteen weeks. This constitutes two class-hours of fifty minutes each and, when credit is granted, will count for two semester-hours' credit. Such courses must be approved in advance by the department concerned. Tuition will be charged at the rate of \$8 a semester-hour, plus the University fee for extension students. Announcements of extension courses will be issued from time to time and may be obtained upon application at the Office of the Registrar.

## THE INTER-AMERICAN CENTER

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*  
George Howland Cox, *Director of the Inter-American Center*

### COUNCIL

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law*  
Henry Grattan Doyle, A.M., *Professor of Romance Languages*  
Walter Andrew Bloedorn, A.M., M.D., *Professor of Medicine*  
Robert Whitney Bolwell, Ph.D., *Professor of American Literature*  
Elmer Louis Kayser, Ph.D., *Professor of European History*  
William Crane Johnstone, Jr., Ph.D., *Professor of Political Science*  
Frederick Morris Feiker, B.S. in E.E., D.Eng., *Professor of Engineering Administration*  
James Christopher Corliss, A.M., *Adjunct Professor of Inter-American Economics*  
Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages*  
Wood Gray, Ph.D., *Associate Professor of American History*  
Antonio Alonso, A.M., *Assistant Professor of Spanish*

Because of its situation in the heart of the National Capital, The George Washington University is able to offer certain types of academic work and to promote and foster conferences, publications, and studies which profit especially by the resources of the Federal Government, the Library of Congress, the Pan American Union, the various embassies and legations, and other institutions located in Washington. Particularly do these advantages apply to work concerning the nations of the Americas. "It is intended that the Center shall take advantage of these manifold opportunities, not only by facilitating the offering of regularly constituted courses and special lectures, but also by encouraging directed research and scholarly and informational publications in the broad field of inter-American relations.

### INTER-AMERICAN CENTER ACTIVITIES

1. Lectures on Latin American and Pan American problems, given for students at the University and for a limited number of the public
2. Annual December conference on Pan American affairs, given for the public and held at the Chamber of Commerce of the United States

3. Annual Pan American conference for Washington high school students, held at the University
4. Weekly broadcast in Spanish and Portuguese to Latin America; topics include current American and European affairs
5. Annual series of lectures in Spanish for Spanish-speaking people of Washington
6. Annual conference between representatives of business organizations and government departments
7. Series of talks at public high schools and private schools, and before civic organizations
8. Publication of addresses given at the various conferences

### COURSES ON INTER-AMERICAN SUBJECTS

#### ECONOMICS

- 185-86 Economic History and Problems of Latin America (3-3)  
 281-82 Public and Private Finance in Latin America (3-3)  
 283-84 Economic Problems of Latin America (3-3)

#### HISTORY

- 161-62 Hispanic American Civilization (3-3)  
 163 The Pan American Movement (2)  
 166 Hispanic American Constitutional History (2)  
 167-68 Current Latin American and Pan American Problems (2-2)  
 169 The Great States of Hispanic America (2)  
 181-82 Diplomatic History of the United States (3-3)  
 183 Overseas Expansion of the United States (3)  
 261-62 Seminar in Hispanic American History (3-3)  
 265-66 The Age of Dictators in Hispanic America (3-3)

#### ROMANCE LANGUAGES

- 1-2 First-Year Spanish (3-3)  
 5-6 Second-Year Spanish (3-3)  
 109-10 Spanish Conversation and Composition  
 127-28 Spanish American Literature (3-3)  
 227-28 Seminar in Spanish American Literature (3-3)  
 1-2 First-Year Portuguese (3-3)  
 5-6 Second-Year Portuguese (3-3)

#### GEOLOGY

- 123-24 Regional Geology of North and South America (3-3)



## THE SUMMER SESSIONS

1940

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*  
Mitchell Dreese, Ph.D., *Dean of the Summer Session*

### GENERAL INFORMATION

The Summer Sessions are an integral part of the University, and all courses given are similar to the corresponding courses offered in the other terms. Academic credit for courses satisfactorily completed may be applied toward the appropriate degrees in the various Colleges, Schools, and Divisions of the University. The complete educational equipment and facilities of the University are available to students in the Summer Sessions, including libraries, laboratories, field equipment, etc. All departments of the University are open to men and women.

The Summer Sessions offer an opportunity to continue university work during the summer period. The educational value of a term of study in Washington is of great importance; it forms a background for both intelligent and appreciative citizenship. History, political science, economics, literature, and current events are all vivified by a first-hand knowledge of our national institutions. The schedule of classes allows the students ample time to visit the great libraries and laboratories of the Capital and to observe the departments and bureaus of the Government in operation. The many educational and scientific organizations with central offices and exhibits situated in Washington are accessible to students whose special interests draw on such resources. Excursions may be conveniently arranged to the many places of beauty and historic association in near-by Virginia and Maryland.

Courses will be offered in the Junior College, Columbian College, the Law School, the School of Education, the School of Government, and the Division of University Students. Students in the School of Engineering and the School of Pharmacy will have the opportunity to take many of their elective and required courses in the Junior College and Columbian College curricula.

Provision is made for the social and recreational side of student life during the Summer Sessions. The University's athletic facilities and equipment are available to all students. The numerous parks and golf courses of Washington, the riding trails, water sports on the Potomac and at near-by beaches, all offer a wide choice of outdoor recreation. The University receptions and dances are annual events, and other

student parties are organized. The University fee entitles all students in attendance to medical advice and treatment from the Office of the University Physician. University lectures upon themes of contemporary interest by men distinguished in various phases of our modern life are occasionally offered during the Sessions. Women registered in the Summer Sessions are privileged to live in the Hattie M. Strong Residence Hall (see page 43).

The Summer Sessions of 1940 will present a full program of academic and professional courses. In addition, a special group of studies has been prepared in the School of Education. A large number of the regular members of the University Faculty will teach during the summer, and distinguished specialists from national economic and educational organizations have been added to the staff.

More complete information concerning these and other features of the Summer Sessions curricula will be found in the Summer Sessions Bulletin, now available upon request.

#### GENERAL REGULATIONS

The rules and regulations of the University apply to all departments of the Summer Sessions. The announcements of the separate Colleges, Schools, and Divisions in this CATALOGUE should be consulted for information regarding admission, advanced standing, fees, etc.

#### COURSES OF INSTRUCTION

The courses of instruction offered in the Summer Sessions are included in the alphabetical list of courses, beginning on page 169, and also in the Summer Sessions Bulletin.

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Special publications relating to the Summer Sessions will be sent to all interested persons on request.

COURSES OF INSTRUCTION





## COURSES OF INSTRUCTION

On the following pages of this CATALOGUE, under the alphabetically arranged names of the departments of instruction, are listed the courses of instruction offered by the University in the summer of 1940 and in the academic year 1940-41. The courses as here listed are subject to some slight change. The University reserves the right to withdraw any course announced.

## HOURS OF INSTRUCTION

Courses of instruction are scheduled in the morning and early afternoon hours for full-time students.

In addition, there are late-afternoon sections of most of the courses of instruction, scheduled from 5:10 to 7:00 P.M. These classes are identical with the morning sections of the corresponding courses, are taught by the same instructors, and carry the same amount of credit. By taking the late-afternoon and summer classes and extending the time of study beyond the customary four years, a student who is able to give only part of his time to college work may complete a regular curriculum and obtain a degree.

## EXPLANATION OF COURSE NUMBERS AND AMOUNT OF CREDIT

The system of numbers and symbols used in connection with these announcements of courses is explained in the following paragraphs.

### EXPLANATION OF COURSE NUMBERS

In all departments of instruction the number which precedes the name of a course indicates the semester in which that course is offered. *An odd number indicates that the course is offered in the first semester; an even number, that it is offered in the second semester; and a double number (e.g., 157-58), that it begins in the first semester and continues in the second.* This rule has no application, however, to courses offered only in the Summer Sessions. In a few cases, where a course numbered for one semester and normally given in that semester is offered this year in the opposite semester, such exception to the foregoing rule is clearly noted in the statement following the name of the course, and in each such case the course number is followed by the letter *x* (e.g., 21*x*).

In the Department of Law, first-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and graduate courses, from 401 to 500.

In the departments of the School of Medicine, first-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and fourth-year courses, from 401 to 500.

In all other departments the following system of numbering is used:

First-group courses, numbered from 1 to 100, are planned for students in the freshman and sophomore years. With the approval of the adviser and the Dean, they may also be taken by juniors and seniors. In certain instances, they may be taken by graduate students to make up undergraduate deficiencies or as prerequisite to advanced courses, but they may not be credited toward a higher degree.

Second-group courses, numbered from 101 to 200, are planned for students in the junior and senior years. They may be credited toward higher degrees only when registration for graduate credit has been approved at the beginning of the course by the Dean responsible for the graduate work and by the officer of instruction, and when the completion of additional work has been certified by the officer of instruction.

Third-group courses, numbered from 201 to 300, are planned primarily for graduate students. They are open, with the approval of the officer of instruction, to qualified seniors; they are not open to Junior College students or other undergraduates.

#### INDICATION OF THE AMOUNT OF CREDIT

The number of semester-hours of credit given for the satisfactory completion of a course is in most cases indicated in parentheses after the name of the course. Thus, a year course giving three hours of credit each semester is marked (3-3), and a semester course giving three hours of credit is marked (3). A semester-hour of credit usually consists of the completion of one fifty-minute period of class work or of one laboratory period a week for one semester.

A dagger (†) preceding the number of a year course indicates that the course may not be entered in the second semester and that credit will not be given until the work of both semesters has been completed.



## ANATOMY

Claude Matthews MacFall, LL.B., Ph.D., *Professor of Anatomy, Acting Executive Officer*  
Paul G. Smith, M.D., *Professor of Anatomy*

Paul Calabrisi, A.B., *Instructor in Anatomy*  


---

*Instructor in Anatomy*

## 101 Gross Anatomy

## MacFall and Staff

This course consists of instruction in osteology, followed by the careful dissection and study of the entire body. Fifteen hours a week.

103 *Histology and Embryology*  
This

## The Staff

This course includes the histogenesis and microscopic structure of the tissues and organs of the human body. Twelve hours a week.

104 *Neuro-Anatomy*

## The Staff

**Fifteen hours a week.**

## 203-4 Research

## The Staff

Hours and credits to be arranged.

300 *Surgical Anatomy (elective)\**  
Two hours

## The Staff

Two hours a week.

\* This course is given in collaboration with the Department of Surgery.

## ART

Norris Ingersoll Crandall, M.Arch., *Professor of Art, Executive Officer*  
 Donald Chenoweth Kline, B.Arch., *Associate Professor of Art*  
 Elisabeth Ray Lewis, A.B., *Lecturer in Art*  
 Myrta Williams Spence, A.B., B.F.A., *Associate in Art*  
 Philip Fletcher Bell, A.B., B.F.A., *Associate in Art*  
 Rowland Lyon, A.M., *Associate in Art*  
 Mary Whitney Thoenen, *Associate in Art*

*Minimum requirements for the major.*—Prerequisite: Art 1-2, 11-12, and either 5-6 and 25-26, or 7-8 and 9-10. Major in Art Appreciation—Art 111-12, 121-22, 131-32, 141-42, and 151-52. Major in Design—requirements as for Art Appreciation, plus two years of Design, and one year each of Life Class and Painting. Major in Painting—requirements as for Art Appreciation, plus Art 107-8, 129-30, and 139-40.

*Fees.*—For a statement of drawing-room and other fees, see page 19.

### APPRECIATION

#### FIRST GROUP

##### 1-2 *Artistic Environments* (3-3)

Crandall

The development of the home: home furnishing and decoration.  
 Mon. and Fri., 12:10 to 1:25 P.M.

##### †11-12 *Art Criticism* (3-3)

Crandall

An introduction to the appreciation of the fine arts and to the interpretation of the paintings of the old and modern masters. Tues., Wed., and Thurs., 12:10 P.M.

#### SECOND GROUP

##### †111-12 *Current Criticism* (3-3)

Crandall

The history of art criticism; written criticisms of current art exhibitions. Tues. and Thurs., 5:10 to 6:25 P.M.

##### 121-22 *History of Art in Europe* (3-3)

Lewis

Painting and sculpture: their development from ancient sources, their relation to architecture, and their place in European civilization. Mon., Wed., and Fri., 5:10 P.M.

##### 131-32 *History of American Fine Arts* (3-3)

Kline

A survey of architecture, furniture, decoration, sculpture, painting, folk arts, and crafts in America from the early colonies to the present. Tues. and Thurs., 5:10 to 6:25 P.M.

141-42 *History of Ancient and European Architecture and Decoration*  
(3-3) Kline

A survey of the architecture and decorative arts of the ancient and modern civilizations of the Mediterranean, the Far East, and Europe. Mon., Wed., and Fri., 11:10 A.M.

†151-52 *A Survey of Modern Art* (3-3) Crandall  
The interpretation of the contemporary arts in Europe and America. Mon., Wed., and Fri., 5:10 P.M.

## DESIGN

## FIRST GROUP

5-6 *First-Year Design\** (3-3) Kline, Thoenen

I. Commercial art: color, composition, lettering, perspective, and free-hand drawing; II. Illustration: conventional design and elementary problems in wash, pencil, and pen and ink; or III. Interior decoration: composition and layout of rooms, arrangement of furniture, and rendering technique. Section A: Mon., Wed., and Fri., 1:40 to 4:00 P.M.; section B: Mon., Wed., and Fri., 7:30 to 10:00 P.M.

15-16 *First-Year Design: Problems\** (3-3) Kline, Thoenen  
For students in the two-year course; may be taken concurrently with Art 5-6. Section A: Mon., Wed., and Fri., 9:30 A.M. to 12:00 M.; section B: Tues. and Thurs., 7:10 to 10:30 P.M.

25-26 *Second-Year Design\** (3-3) Kline, Spence, Thoenen

I. Commercial art: decorative and industrial design or fashion illustration; II. Illustration: monochrome and full-color illustration in wash and tempera; or III. Interior decoration: period decoration and rendering of interiors. Prerequisite: Art 6. Section A: Mon., Wed., and Fri., 1:40 to 4:00 P.M.; section B: Mon., Wed., and Fri., 7:30 to 10:00 P.M.

35-36 *Second-Year Design: Problems\** (3-3) Kline, Spence, Thoenen  
For students of the two-year course; may be taken concurrently with Art 25-26. Prerequisite: Art 16. Section A: Mon., Wed., and Fri., 9:30 A.M. to 12:00 M.; section B: Tues. and Thurs., 7:10 to 10:30 P.M.

## SECOND GROUP

125-26 *Third-Year Design\** (6-6) Crandall, Kline, Thoenen

I. Commercial art: layouts for reproduction and advertising;  
II. Illustration: book-jacket design, book and magazine illus-

\* Commercial art, illustration, and interior decoration are separate courses; only one can be taken at a time.



tration in full color; or III. Interior decoration: textiles, lights, fixtures, and accessories. Prerequisite: Art 26. Section A: Mon., Wed., and Fri., 9:30 A.M. to 12:00 M. and 1:40 to 4:00 P.M.; section B: daily except Sat., 7:10 to 10:00 P.M.

- 135-36 *Fourth-Year Design\** (6-6) Crandall, Kline, Bell, Thoenen  
Practical problems in I. Commercial art, II. Illustration, or III. Interior decoration. Prerequisite: Art 126. Section A: Mon., Wed., and Fri., 9:30 A.M. to 12:00 M. and 1:40 to 4:00 P.M.; section B: daily except Sat., 7:10 to 10:00 P.M.

- 185-86 *Seminar in Design*

Hours and credits to be arranged.

The Staff

## DRAWING

### FIRST GROUP

- 7-8 *Drawing* (3-3)

Spence, Bell

Free-hand studies from antique cast, life, and landscape. Section A: Tues., Thurs., and Sat., 9:30 A.M. to 12:00 M.; section B: Mon., Wed., and Fri., 7:30 to 10:00 P.M.

### SECOND GROUP

- 107-8 *Life Class* (3-3)

Spence, Bell

Drawing in various mediums from the nude and costumed model, and the study of anatomy. Section A: Tues., Thurs., and Sat., 9:30 A.M. to 12:00 M.; section B: Mon., Wed., and Fri., 7:30 to 10:00 P.M.

- 127-28 *Pencil and Pen-and-Ink Drawing* (2-2)

Spence, Lyon

Use of these mediums in rendering and illustration. Section A: Tues. and Thurs., 1:40 to 4:00 P.M.; section B: Tues. and Thurs., 7:30 to 10:00 P.M.

## PAINTING

### FIRST GROUP

- 9-10 *First-Year Painting* (3-3)

Spence, Lyon

Portrait, still life, and landscape. Section A: Tues. and Thurs., 1:40 to 4:00 P.M., and Sat., 9:30 A.M. to 12:00 M.; section B: Tues., Thurs., and Fri., 7:30 to 10:00 P.M.

### SECOND GROUP

- 119-20 *Second-Year Painting* (2-2)

Spence, Lyon

Portrait, still life, and landscape. For majors in Design and special students. Section A: Tues. and Thurs., 1:40 to 4:00 P.M.; section B: Tues. and Thurs., 7:30 to 10:00 P.M.

129-30 *Third-Year Painting* (3-3)

Spence, Bell

From the nude and costumed model. Prerequisite: Art 108.  
Section A: Tues., Thurs., and Sat., 9:30 A.M. to 12:00 M.;  
section B: Mon., Wed., and Fri., 7:30 to 10:00 P.M.

139-40 *Fourth-Year Painting* (6-6)

Spence, Bell, Lyon

Practical problems in composition, mural painting, and portraiture. Prerequisite: Art 130. Section A: Mon., Wed., and Fri., 9:30 A.M. to 12:00 M. and 1:40 to 4:00 P.M.; section B: daily except Sat., 7:10 to 10:30 P.M.

149-50 *Advanced Painting and Composition*

The Staff

Hours and credits to be arranged.

## BACTERIOLOGY, HYGIENE, AND PREVENTIVE MEDICINE

Leland Wilbur Parr, Ph.D., *Professor of Bacteriology, Executive Officer*

Angus MacIvor Griffin, Ph.D., *Assistant Professor of Bacteriology*

Alden Franklin Roe, Sc.D., *Assistant Professor of Bacteriology*

*Fees.*—For a statement of material fees, see page 20.

**112 General Bacteriology (4)**

Roe

A study of the fundamentals of bacteriology, including industrial and hygienic applications. Several groups of bacteria, yeasts, and molds are studied in the laboratory. Tues., Thurs., and Sat., 9:10 A.M. to 12:00 M.

**205 Advanced Bacteriology**

Roe

Prerequisite: Bacteriology 112. Hours and credits to be arranged.

**209 Bacteriology and Immunology**

Parr, Griffin

A thorough grounding in bacteriological technique and a comprehensive study of micro-organisms related to medical and hygienic problems. Methods of diagnosis are stressed and immunological procedures and theory fully treated. Eighteen hours a week for ten weeks.

**210 Immunology and Serology (elective)**

Griffin

Prerequisite: Bacteriology 112 or 209. Hours and credits to be arranged.

**212 Intestinal Bacteriology**

Parr

Prerequisite: Bacteriology 112 or 209. Hours and credits to be arranged. (Offered in 1940-41 and alternate years.)

**214 Bacteriological Ecology**

Parr

Prerequisite: Bacteriology 112 or 209. Hours and credits to be arranged. (Offered in 1941-42 and alternate years.)

**303-4 Research in Bacteriology**

The Staff

Hours and credits to be arranged.

**305-6 Staff Seminar**

The Staff

Biweekly.



HYGIENE AND PREVENTIVE MEDICINE

Roscoe Roy Spencer, A.B., M.D., *Adjunct Professor of Hygiene and Preventive Medicine, Coordinating Officer*

SEMINAR LECTURERS

Charles Armstrong, B.S., M.D., Sc.D., *Professorial Lecturer in Preventive Medicine*

Selwyn Dewitt Collins, Ph.D., *Professorial Lecturer on Sanitary Science*

Rolla Eugene Dyer, A.B., M.D., *Professorial Lecturer in Preventive Medicine*

Leslie Carl Frank, C.E., *Professorial Lecturer on Sanitary Science*

Royd Ray Sayers, A.M., M.D., *Professorial Lecturer on Industrial Hygiene*

Ralph Edwin Tarbett, B.S., *Professorial Lecturer on Sanitary Science*

Raymond Aloysius Vonderlehr, M.D., *Professorial Lecturer in Preventive Medicine*

Louis Laval Williams, Jr., M.D., *Professorial Lecturer in Preventive Medicine*

Ralph Gregory Beachley, M.D., D.P.H., *Professorial Lecturer on Public Health Administration*

Sara Elizabeth Branham, Ph.D., M.D., Sc.D., *Professorial Lecturer in Preventive Medicine*

Alice Catherine Evans, M.S., M.D., Sc.D., *Professorial Lecturer in Preventive Medicine*

William Henry Sebrell, Jr., M.D., *Professorial Lecturer in Preventive Medicine*

Newton Edward Wayson, A.B., M.D., *Professorial Lecturer in Preventive Medicine*

220 *Hygiene*

Spencer and Staff

The student is familiarized with the rapid present-day transition from curative to preventive medicine, the problems that are arising in the fields of medical ethics and medical economics, and the social aspects of medical practice or the ever-expanding duties of the general practitioner and of the profession as an integral group in our social structure. Two hours a week.

**401 *Preventive Medicine\******The Staff**

The methods employed in the study of epidemics of the more important communicable and reportable diseases; analysis of the epidemiological data upon which are based our modern methods of prevention and control; and exposition of the general and specific measures of control usually employed by modern health units. Two hours a week.

**402 *Public Health Practice*****The Staff**

The student is afforded an opportunity to become familiar with preventive medicine as applied in actual health-department practice. Eight periods.

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\* Supplemented for exceptional students by summer field work in various health departments.

## BIOCHEMISTRY

Joseph Hyram Roe, Ph.D., *Professor of Biochemistry, Executive Officer*  
 Arnold Kent Balls, Ph.D., *Adjunct Professor of Enzymology*  
 Helen Marie Dyer, Ph.D., *Assistant Professor of Biochemistry*  
 Oliver John Irish, Ph.D., *Instructor in Biochemistry*  
 Alan Hisey, Ph.D., *Instructor in Biochemistry*

*Fees.*—For a statement of material fees, see page 20.

### 113-14 *Biochemistry*

Roe, Irish, Hisey

Lecture and laboratory course for first-year medical students. Physical-chemical phases of biochemistry, such as hydrogen-ion concentration, colloids, osmosis, and enzyme action. The biochemistry of carbohydrates, fats, and proteins; tissues; digestion; intestinal putrefaction; metabolism; urine; vitamins; endocrines. The biochemical methods of analysis of urine, blood, gastric juice, and feces. The diagnostic value of laboratory tests and the interpretation of laboratory findings in relation to disease. Tues. and Thurs., 1:00 to 5:00 P.M. Two lectures and two three-hour laboratory periods a week.

### 120 *Biochemistry of Foods and Nutrition (4)*

Dyer

Lecture and laboratory course designed particularly for students of the Department of Home Economics. Mon. and Wed., 1:30 to 4:30 P.M.

### 221-22 *Biochemistry (4-4)*

Dyer

Lecture and laboratory course for nonmedical students, similar in general content to Biochemistry 113-14. Prerequisite: Chemistry 152. Mon. and Wed., 9:00 A.M. to 12:00 M.

### 224 *Biochemistry of the Enzymes (elective)*

Balls

Lecture course dealing with the biochemistry of the enzymes and enzyme reactions. Prerequisite: Biochemistry 113 or 221. Wed., 4:45 P.M. One hour a week.

### 225 *Biochemical Preparations*

The Staff

Hours and credits to be arranged.

### 226 *Biochemical Laboratory Methods*

Roe, Irish

Hours and credits to be arranged.



**227-28 Biochemistry Seminar (1-1)****Roe and Staff**

Seminar course on the current literature in the field of biochemistry, mainly for graduate students, but open to a limited number of specially qualified medical students. Fri., 4:45 p.m.

**229-30 Research in Biochemistry****Roe and Staff**

Hours and credits to be arranged.

## BIOLOGY\*

Paul William Bowman, Ph.D., *Associate Professor of Biology, Executive Officer*

*The major.*—Prerequisite: Biology 1-2; two of the following three courses: Botany 1 and 2, Geology 21-22, and Zoology 1-2. The student who majors in Biology will be required to demonstrate in the major examination a reasonable knowledge and understanding of the following subjects: classification of plants and animals and their life histories, geology, ecology, evolution, heredity, the physical and cultural development of man, the biological problems of the community and the nation, the historical development of biology, and the great biologists of the past and present. Some of this information he will obtain by taking courses offered in these fields and some by reading and observations under the guidance of his adviser. For further details, see the pamphlet on this subject or consult the adviser.

*Fees.*—For a statement of material fees, see page 20.

### FIRST GROUP

#### 1-2 *Survey in Biology* (3-3)

Bowman

A systematic study of the plant and animal kingdoms, with emphasis upon the interdependence of living things, followed by a review of work done in evolution, heredity, public health, and conservation. Sections A, B, and C: Tues., 11:10 A.M.; section D: Wed., 6:10 P.M. Laboratory—section A: Mon., 1:40 to 3:30 P.M.; section B: Tues., 1:40 to 3:30 P.M.; section C: Wed., 1:40 to 3:30 P.M.; section D: Mon., 6:10 to 8:00 P.M. Tript—section A: Wed., 1:40 to 4:30 P.M.; section B: Thurs., 1:40 to 4:30 P.M.; section C: Fri., 1:40 to 4:30 P.M.; section D: Sat., 2:00 to 5:00 P.M., sometimes Fri., 6:10 P.M.

### SECOND GROUP

#### †107-8 *Evolution* (3-3)

Griggs

A survey of the whole field of biology with attention focused on the data which have led to the larger generalizations of the science, followed by the derivation and discussion of theories based largely on these data. Prerequisite: one year of college work in Biology, Botany, Geology, or Zoology. Mon., Wed., and Fri., 5:10 P.M. (Offered in 1941-42 and alternate years, Mon., Wed., and Fri., 11:10 A.M.)

\* See also Departments of Botany and Zoology, pages 184 and 185.

† Excursions into the out-of-doors and visits to museums and other places of biological interest.

†115-16 *Principles of Cytology* (3-3)

Bowman

A study of plant and animal cells based on Sharp's *Introduction to Cytology*, with training in preparation of slides and use of laboratory equipment. Prerequisite: one year of college work in Biology, Botany, or Zoology. Fri., 10:10 A.M. Laboratory—Mon. and Wed., 9:10 to 11:00 A.M. (Offered in 1941-42 and alternate years, Tues. and Thurs., 5:10 P.M.)

†127-28 *Introduction to Genetics* (3-3)

A study of the principles of heredity and their application, with experimental work in the breeding of fruit-flies. Prerequisite: one year of college work in Biology, Botany, or Zoology. (Not offered in 1940-41.)

131-32 *History of Biology* (2-2)

Young

A study of the development of biology and of those men who have made important contributions in the field. Prerequisite: two years of Biological Sciences. (Not offered in 1940-41.)

†137-38 *General Physiology* (3-3)

Yocum

The fundamental physiology of protoplasm as applicable to both animals and plants. Prerequisite: Chemistry 12 and one year of college work in Biology, Botany, or Zoology. Mon., Wed., and Fri., 11:10 A.M. (Offered in 1940-41 and alternate years.)

172 *Teaching of Science* (2)

Yocum

The course aims to assist the student to apply the theories of Education to the presentation of the principles of science. Prerequisite: courses in Science and Education satisfactory to the instructor. Hours to be arranged.

199-200 *Proseminar: Biology* (3-3)

Bowman

Individually planned and directed work by means of which majors in Biology may learn something of those branches not studied in regular courses and may organize and coordinate their knowledge of the field. Hours to be arranged.

## THIRD GROUP

201-2 *Seminar: Cytology* (3-3)

Bowman

Individual problems for advanced students. Prerequisite: Biology 115-16. Hours to be arranged.

211-12 *Research in Cytology*

Bowman

Hours and credits to be arranged.

299-300 *Thesis* (3-3)

Bowman



## BOTANY\*

Robert Fiske Griggs, Ph.D., *Professor of Botany, Executive Officer*  
 William Webster Diehl, Ph.D., *Adjunct Professor of Mycology*  
 Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany*

*Minimum requirements for the major.*—Twenty-four semester-hours of Botany beyond the introductory courses, with collaterals as recommended in conference.  
*Fees.*—For a statement of material fees, see page 20.

### FIRST GROUP

- 1 *Structure and Functions of the Flowering Plant*† (3) The Staff  
 The typical plant as a working mechanism, with the emphasis on the general biological significance of plant physiology. Section A: Tues. and Thurs., 9:10 A.M.; section B: Tues. and Thurs., 11:10 A.M.; section C: Tues. and Thurs., 5:10 P.M. Laboratory—section A: Fri., 1:40 to 3:30 P.M.; section B: Thurs., 1:40 to 3:30 P.M.; section C: Tues., 6:30 to 8:30 P.M.
- 2 *Survey of the Plant Kingdom* (3) The Staff  
 Study of the different kinds of plants, with emphasis on the evolution of the plant kingdom; practice in identifying flowering plants. Section A: Tues. and Thurs., 9:10 A.M.; section B: Tues. and Thurs., 11:10 A.M.; section C: Tues. and Thurs., 5:10 P.M. Laboratory—section A: Fri., 1:40 to 3:30 P.M.; section B: Thurs., 1:40 to 3:30 P.M.; section C: Tues., 6:30 to 8:30 P.M.
- 5 *Field Botany* (6) Griggs  
 Field trips to neighboring localities of botanical interest, with classroom study.  
 Summer Sessions 1940 (6)—daily except Sat., 5:10 to 7:00 P.M., and Sat. afternoon, nine weeks' term.

### SECOND GROUP

- 121 *Grasses* (3) Griggs  
 The taxonomy, morphology, phylogeny, and economics of the Poaceae, the making of a collection and the determination of a series of representative grasses not available in the vicinity.

\* See also the Departments of Biology and Zoology, pages 181 and 125.  
 † Before completing registration for Botany 1, each student must obtain from the representative of the Department an assignment to a laboratory section.

Text: Hitchcock, *Manual of Grasses*. Prerequisite: Botany 1 and 2, or 5. Section A: Mon., 9:10 A.M.; section B: Mon., 6:10 P.M. Laboratory—Mon., Wed., and Fri., hours to be arranged. (Offered in 1941-42 and alternate years.)

122 *Higher Monocots* (3)

Griggs

Survey of Arales, Palmales, Liliales, Amaryllidales, Marantales, Orchidales; study of flower morphology and evolutionary tendencies indicated, with the determination of a series of representative species. Prerequisite: Botany 1 and 2, or 5. Section A: Mon., 9:10 A.M.; section B: Mon., 6:10 P.M. Laboratory—Mon., Wed., and Fri., hours to be arranged. (Offered in 1941-42 and alternate years.)

123-24 *Dicots* (3-3)

Griggs

Survey of selected dicotyledonous orders, the selection varying from year to year; practice in naming unknowns. Text: Pool, *Flowers and Flowering Plants*. Prerequisite: Botany 1 and 2, or 5. Section A: Mon., 9:10 A.M.; section B: Mon., 6:10 P.M. Laboratory—Mon., Wed., and Fri., hours to be arranged. (Offered in 1940-41 and alternate years.)

131-32 *Mycology* (3-3)

Diehl

Prerequisite: Botany 1 and 2. Tues., 6:10 P.M. Laboratory—Tues. and Wed., hours to be arranged. (Offered in 1940-41 and alternate years.)

133-34 *Plant Pathology* (3-3)

Diehl

Prerequisite: Botany 1 and 2. Wed., 6:10 P.M. Laboratory—Mon. and Wed., hours to be arranged. (Offered in 1941-42 and alternate years.)

135-36 *Plant Physiology* (3-3)

Yocum

First semester: mineral and water relations of plants; second semester: organic syntheses and growth. Prerequisite: Botany 1 and 2; Chemistry 11-12. Mon. and Wed., 5:10 P.M. Laboratory—Mon. and Wed., hours to be arranged. (Offered in 1941-42 and alternate years.)

141-42 *Plant Ecology* (3-3)

Griggs

Prerequisite: Botany 1 and 2. Fri., 6:10 P.M. Laboratory—hours to be arranged. (Offered in 1940-41 and alternate years.)

143 *Plant Distribution* (3)

Griggs

The distribution of plants is studied with especial reference to the United States and Canada. The biological relationships of eastern America with eastern Asia and of the lands in the Southern Hemisphere are stressed, and their bearing on biolog-

ical and geological history discussed. Prerequisite: Botany 1 and 2. Fri., 6:10 P.M. Laboratory—hours to be arranged. (Offered in 1941-42 and alternate years.)

- 144 *Vegetation of the United States* (3) Griggs  
Seminar on the areas and characteristics of the principal types of vegetation in the United States. Prerequisites: Botany 1 and 2. Fri., 6:10 P.M. Laboratory—hours to be arranged. (Offered in 1941-42 and alternate years.)

## THIRD GROUP

- 211 *Research* (3) The Staff  
Laboratory investigation of special problems.  
Summer Sessions 1940 (3)—hours to be arranged, nine weeks' term (Griggs).
- 219-20 *Seminar: Morphology* (3-3) The Staff  
Hours to be arranged.
- 221-22 *Seminar: Taxonomy* (3-3) Griggs  
Hours to be arranged.
- 235-36 *Seminar: Physiology* (3-3) Yocum  
The subject for 1940-41 is stimulants of plant growth. Wed., 7:10 to 9:00 P.M.
- 241-42 *Seminar: Ecology* (3-3) Griggs  
Hours to be arranged.
- 251-52 *Seminar* (3-3) The Staff  
Discussions of current advances in plant science by persons especially competent to present them—partly by the staff and advanced students, partly by authorities invited from neighboring laboratories. Thurs., 7:10 P.M.
- 261-62 *Research* The Staff  
Hours and credits to be arranged.
- 299-300 *Thesis* (3-3) The Staff

## SPECIAL METHOD COURSE

Biology 172, *Teaching of Science*



Summer Sessions 1940: Business Administration 101, *Business Organization* (3)—daily except Sat., 5:10 P.M., nine weeks' term; Business Administration 102, *Business Management* (3)—daily except Sat., 6:10 P.M., nine weeks' term.

- 111 *Analysis of Financial Statements* (3) Kennedy  
Technique of analyzing financial statements for the guidance of operating executives, directors, stockholders, and creditors; valuation of balance sheet items; determination and interpretation of ratios. Prerequisite: Business Administration 51-52. Tues., Thurs., and Sat., 10:10 A.M.  
Business Administration 111X—same as Business Administration 111, but offered second semester. Tues. and Thurs., 6:10 to 7:25 P.M.
- 115 *Business Finance* (3) Sutton  
A study of the basic principles involved in the financial policies of business enterprises from the time of promotion to that of expansion or possible reorganization. Prerequisite: Business Administration 51-52; Economics 1-2. (Not offered in 1940-41.)  
Summer Sessions 1940 (3)—daily except Sat., 7:30 A.M., nine weeks' term (Kennedy).
- 116 *Corporation Financial Problems* (3) Sutton  
The determination of effective financial policies in the solution of typical financial problems. Prerequisite: Business Administration 115. (Not offered in 1940-41.)
- 118 *Investments* (3) Sutton  
Analysis of the factors of investment credit with application to different types of investments; proper selection of investments for various classes of investors; regulation. Prerequisite: Business Administration 115. Mon., Wed., and Fri., 6:10 P.M.
- 121 *Bank Management* (3) Sutton  
An analysis of the lending and investment policies which under various business conditions are best adapted to efficient bank management. Prerequisite: Economics 119-20. Mon., Wed., and Fri., 6:10 P.M.
- 127 *Speculation and Business Forecasting* (2)  
A study of the forces and factors underlying the fluctuations of business activity and methods of procedure in forecasting such fluctuations. Prerequisite: Economics 1-2. Tues. and Thurs., 5:10 P.M.

Summer Sessions 1940: Business Administration 101, *Business Organization* (3)—daily except Sat., 5:10 P.M., nine weeks' term; Business Administration 102, *Business Management* (3)—daily except Sat., 6:10 P.M., nine weeks' term.

- 111 *Analysis of Financial Statements* (3) Kennedy  
Technique of analyzing financial statements for the guidance of operating executives, directors, stockholders, and creditors; valuation of balance sheet items; determination and interpretation of ratios. Prerequisite: Business Administration 51-52. Tues., Thurs., and Sat., 10:10 A.M.  
Business Administration 111X—same as Business Administration 111, but offered second semester. Tues. and Thurs., 6:10 to 7:25 P.M.
- 115 *Business Finance* (3) Sutton  
A study of the basic principles involved in the financial policies of business enterprises from the time of promotion to that of expansion or possible reorganization. Prerequisite: Business Administration 51-52; Economics 1-2. (Not offered in 1940-41.)  
Summer Sessions 1940 (3)—daily except Sat., 7:30 A.M., nine weeks' term (Kennedy).
- 116 *Corporation Financial Problems* (3) Sutton  
The determination of effective financial policies in the solution of typical financial problems. Prerequisite: Business Administration 115. (Not offered in 1940-41.)
- 118 *Investments* (3) Sutton  
Analysis of the factors of investment credit with application to different types of investments; proper selection of investments for various classes of investors; regulation. Prerequisite: Business Administration 115. Mon., Wed., and Fri., 6:10 P.M.
- 121 *Bank Management* (3) Sutton  
An analysis of the lending and investment policies which under various business conditions are best adapted to efficient bank management. Prerequisite: Economics 119-20. Mon., Wed., and Fri., 6:10 P.M.
- 127 *Speculation and Business Forecasting* (2)  
A study of the forces and factors underlying the fluctuations of business activity and methods of procedure in forecasting such fluctuations. Prerequisite: Economics 1-2. Tues. and Thurs., 5:10 P.M.

- 128 *Principles of Insurance* (2) \_\_\_\_\_  
A general course in underlying principles of property, life, marine, and casualty insurance, and the function of insurance in the economic life of a business or individual. Prerequisite: Economics 1-2. Tues. and Thurs., 5:10 P.M.
- 140 *Federal Taxation* (3) Boyd  
The tax problems which confront business enterprise: income, excess profits, capital stock, pay roll, and excise taxes. Prerequisite: Business Administration 51-52. Tues. and Thurs., 6:10 to 7:25 P.M.
- 151-52 *Advanced Accounting* (3-3) Owens  
Corporations and partnerships, valuation, actuarial science, estates, receiverships, and reorganizations, consolidated statements, and other topics. Prerequisite: Business Administration 51-52. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 5:10 P.M.; section C: Mon., Wed., and Fri., 6:10 P.M.
- 157 *Governmental Accounting and Budgets* (3) Boyd  
Accounting problems of federal, state, and local government. Budgetary control; appropriation accounts; encumbrances; fund accounting. Prerequisite: Business Administration 151-52. Tues. and Thurs., 6:10 to 7:25 P.M.
- 161 *Cost Accounting* (3) Frese  
Job order and process systems of cost findings; interrelation of the cost records and the general accounts; standard costs; distribution costs. Prerequisite: Business Administration 51-52. Tues. and Thurs., 6:10 to 7:25 P.M.
- 165 *Auditing* (3) Owens  
Duties and responsibilities of the auditor; principles and procedures in making audits; arrangement of working papers and the preparation of reports. Prerequisite: Business Administration 151-52. Mon., Wed., and Fri., 6:10 P.M.
- 168 *Accounting Theory and Problems* (3) Owens  
The solution of advanced problems and a discussion of the principles involved. Prerequisite: Business Administration 151-52. Mon., Wed., and Fri., 6:10 P.M.
- 171 *Principles of Marketing* (3) White  
A survey of marketing, giving particular attention to consumption, retailing, wholesaling, and sales management; the entire marketing structure and its relation to the total economy. Prerequisite: Economics 1-2. Tues. and Thurs., 6:10 to 7:25 P.M.



172 *Marketing Problems* (3)

White

Marketing principles applied to specific distribution policy and operating problems of retailers, wholesalers, and manufacturers handling consumers' and industrial goods. Prerequisite: Business Administration 171. (Not offered in 1940-41.)

174 *Exporting and Importing* (3)

White

The policy and operating questions of foreign marketing, both of exporting and importing; markets, limitations, and opportunities. Prerequisite: Economics 1-2. Tues. and Thurs., 6:10 to 7:25 P.M.

182 *Public Utilities* (3)

Kennedy

A study of public utility characteristics, organization, management, financing, combinations, and accounting; regulation, valuation, and rate-making are stressed. Prerequisite: Economics 1-2. Tues., Thurs., and Sat., 10:10 A.M.

185 *Principles of Railroad Transportation* (3)

Kennedy

A study of railroad history, organization, regulation, rate-making theory and practice, accounting, securities, and consolidation. The work of the Interstate Commerce Commission is stressed. Prerequisite: Economics 1-2. Tues., Thurs., and Sat., 9:10 A.M.

186 *Principles of Motor, Air, and Water Transportation* (3)

Kennedy

A study of the history, organization, economics, regulations, and rates of motor, air, and water carriers. Coordination of transportation is discussed. Prerequisite: Economics 1-2. Tues., Thurs., and Sat., 9:10 A.M.

## THIRD GROUP

201-2 *Problems in Retailing* (3-3)

Johnson

Principles and problems in retail merchandising, including markup, inventory valuation, and expense control; also, service and personnel problems. Admission by permission of the instructor. Tues., 8:00 to 10:30 P.M.

251-52 *Seminar in Accounting* (3-3)

Owens

Research in accounting problems. Admission by permission of the instructor. Thurs., 8:00 to 10:30 P.M.

299-300 *Thesis* (3-3)

The Staff

## CHEMISTRY

Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry*

Benjamin Douglass Van Evera, Ph.D., *Professor of Chemistry, Executive Officer*

Ralph Edward Gibson, Ph.D., *Adjunct Professor of Chemistry*

Dewitt Clinton Knowles, Jr., M.S., *Assistant Professor of Chemistry*

Samuel Nathaniel Wrenn, Ph.D., *Assistant Professor of Chemistry*

Charles Rudolph Naeser, Ph.D., *Assistant Professor of Chemistry*

Maurice Hart Van Horn, Ph.D., *Assistant Professor of Chemistry*

Joseph Alfred Ambler, Ph.D., *Lecturer in Chemistry*

Stephen Brunauer, Ph.D., *Lecturer in Chemistry*

James Irvin Hoffman, Ph.D., *Lecturer in Chemistry*

*The Major.*—Prerequisite: Chemistry 11-12, and 21; Mathematics 19 and 20; Physics 11, 12, 13, and 14. Required: Chemistry 111-12, 121, 122, 151-52 (formerly 41-42), and 191. The work of the junior and senior years must be approved by the Department. The German language is strongly recommended for all majors.

*Requirements for the Master's degree.*—In addition to the requirements for the Bachelor's degree, Chemistry 131-32, 211-12, 251-52 (formerly 141-42), 291-92, 299-300, and the program must include at least four semester-hours of laboratory courses and a reading knowledge of French or German (German preferred).

*Registration.*—Before completing registration for courses in which there are laboratory sections, each student must obtain from the representative of the Department an assignment to a laboratory section.

*Fees.*—For a statement of material fees and deposits, see page 26.

### FIRST GROUP

3-4 *Introductory Survey in Physical Science* (3-3) Seeger, Naeser  
A study of energy and matter, their relation to each other, and their significance to man. Mon., Wed., and Fri., 10:10 A.M. (Same as Physics 3-4.)

†11-12 *General Chemistry* (4-4) Van Evera, Naeser, and Assistants  
Section A: Mon. and Wed., 10:10 A.M.; section B: Mon. and Wed., 5:10 P.M. Laboratory—section M: Mon. and Wed., 1:40 to 4:30 P.M.; section N: Tues. and Thurs., 1:40 to 4:30 P.M.; section O: Mon. and Wed., 7:10 to 10:00 P.M.; section P: Tues. and Thurs., 7:10 to 10:00 P.M.

Chemistry 11x—same as Chemistry 11, but offered second semester. Section A: Tues. and Thurs., 10:10 A.M.; section B: Tues. and Thurs., 5:10 P.M. Laboratory—section N: Tues.

and Thurs., 1:40 to 4:30 P.M.; section P: Tues. and Thurs., 7:10 to 10:00 P.M.

Chemistry 12x—same as Chemistry 12, but offered first semester. Section A: Tues. and Thurs., 10:10 A.M.; section B: Tues. and Thurs., 5:10 P.M. Laboratory—section N: Tues. and Thurs., 1:40 to 4:30 P.M.; section P: Tues. and Thurs., 7:10 to 10:00 P.M.

Summer Sessions 1940 (4-4)—daily except Sat., 8:30 A.M. to 1:20 P.M., nine weeks' term (Van Evera, Naeser).

21 *Inorganic Qualitative Analysis* (4) Knowles and Assistants  
Theoretical and practical study of methods of separating and identifying the more common cations and anions. Prerequisite: Chemistry 12. Section A: Tues. and Thurs., 10:10 A.M.; section B: Tues. and Thurs., 5:10 P.M. Laboratory—section M: Mon. and Wed., 1:40 to 4:30 P.M.; section N: Tues. and Thurs., 1:40 to 4:30 P.M.; section P: Tues. and Thurs., 7:10 to 10:00 P.M.

Chemistry 21x—same as Chemistry 21, but offered second semester. Section A: Tues. and Thurs., 10:10 A.M.; section B: Tues. and Thurs., 5:10 P.M. Laboratory—section N: Tues. and Thurs., 1:40 to 4:30 P.M.; section P: Tues. and Thurs., 7:10 to 10:00 P.M.

Summer Sessions 1940 (4)—daily except Sat., 9:30 A.M. to 12:20 P.M., nine weeks' term (Van Horn).

#### SECOND GROUP

##### †111-12 *Physical Chemistry* (4-4)

Van Horn

Study of physical laws as applied to chemical problems. Prerequisite: Chemistry 121; Mathematics 20; Physics 14. Section A: Mon. and Wed., 11:10 A.M.; section B: Mon. and Wed., 5:10 P.M. Laboratory—section N: Tues. and Thurs., 1:40 to 4:30 P.M.; section O: Mon. and Wed., 7:10 to 10:00 P.M.; section P: Tues. and Thurs., 7:10 to 10:00 P.M.

121 *Quantitative Inorganic Analysis* (4) Knowles and Assistants  
The principles of gravimetric and volumetric analysis. Prerequisite: Chemistry 21. Section A: Mon. and Wed., 11:10 A.M.; section B: Mon. and Wed., 5:10 P.M. Laboratory—section M: Mon. and Wed., 1:40 to 4:30 P.M.; section O: Mon. and Wed., 7:10 to 10:00 P.M.

Chemistry 121x—same as Chemistry 121, but offered second semester. Tues. and Thurs., 5:10 P.M. Laboratory—section M: Mon. and Wed., 1:40 to 4:30 P.M.; section O: Mon. and Wed., 7:10 to 10:00 P.M.



Summer Sessions 1940 (4)—daily except Sat., 9:30 A.M. to 1:20 P.M., nine weeks' term (Knowles).

122 *Advanced Quantitative Analysis* (4) Knowles and Assistants  
Application of the fundamental principles of analysis to more difficult separations and determinations. Prerequisite: Chemistry 121. Wed., 5:10 P.M. Laboratory—section M: Mon., Wed., and Fri., 1:40 to 4:30 P.M.; section O: Mon., Wed., and Fri., 7:10 to 10:00 P.M.

123 *Qualitative Inorganic Microanalysis* (2) Knowles  
The microtechnique of Emich and others applied to inorganic qualitative analysis. Prerequisite: Chemistry 121. Laboratory—section M: Mon. and Wed., 1:40 to 4:30 P.M.; section O: Mon. and Wed., 7:10 to 10:00 P.M.

†131-32 *Inorganic Chemistry* (2-2) Naeser  
Study of chemistry and its theories from the standpoint of the periodic table, with major emphasis on the more common elements. Prerequisite: Chemistry 152 (formerly 42.) Prerequisite or concurrent registration: Chemistry 111-12. Tues. and Thurs., 5:10 P.M.

135-36 *Inorganic Chemistry: Preparations* (2-2) Naeser  
Application of the technique of inorganic chemistry to the preparation and purification of a selected list of substances. Prerequisite: Chemistry 152 (formerly 42.) Prerequisite or concurrent registration: Chemistry 111-12. Laboratory—section M: Mon. and Wed., 1:40 to 4:30 P.M.; section O: Mon. and Wed., 7:10 to 10:00 P.M.

†151-52 *Organic Chemistry* (formerly 41-42) (4-4)

Mackall, Wrenn, and Assistants  
151: Chemistry of the acyclic carbon compounds. Prerequisite: Chemistry 12; however, students are strongly advised to take Chemistry 21 and 121 before entering this course. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 5:10 P.M. Laboratory—section M: Wed., 1:40 to 4:30 P.M.; section N: Tues., 1:40 to 4:30 P.M.; section O: Wed., 7:10 to 10:00 P.M.

152: Chemistry of the cyclic carbon compounds. Prerequisite: Chemistry 151. Section A: Mon. and Wed., 10:10 A.M.; section B: Mon. and Wed., 5:10 P.M. Laboratory—section M: Wed. and Fri., 1:40 to 4:30 P.M.; section N: Tues. and Thurs., 1:40 to 4:30 P.M.; section O: Mon. and Wed., 7:10 to 10:00 P.M.

Summer Sessions 1940 (4-4)—daily except Sat., 8:30 A.M. to 1:20 P.M., nine weeks' term (Mackall, Wrenn).

155 *Organic Chemistry: Preparations* (formerly 146) (2)

Wrenn, Mackall

The synthesis of carbon compounds, and a study of the fundamental techniques of purification. Prerequisite: Chemistry 121 and 152 (formerly 42). Laboratory—section N: Tues. and Thurs., 1:40 to 4:30 P.M.; section P: Tues. and Thurs., 7:10 to 10:00 P.M.

191 *History of Chemistry* (2)

Mackall

A study of the development of chemistry, and of the biographies of eminent contributors to the science. Prerequisite: Chemistry 152 (formerly 42). Prerequisite or concurrent registration: Chemistry 121. Tues. and Thurs., 5:10 P.M.

THIRD GROUP

203 *Chemical Kinetics* (2)

Brunauer

The rates of chemical reaction and factors influencing them. Prerequisite: Chemistry 212. (Offered in 1941-42 and alternate years.)

204 *Catalysis* (2)

Brunauer

Prerequisite: Chemistry 203. (Offered in 1941-42 and alternate years.)

205-6 *Colloid and Surface Chemistry* (2-2)  
(Not offered in 1941-42.)

211-12 *Advanced Physical Chemistry* (2-2)

Van Evera

Development and application of the principles of thermodynamics and the kinetic theory to chemical problems. Prerequisite: Chemistry 112. Mon. and Wed., 5:10 P.M.

215-16 *Physical Chemistry of Solids, Liquids, and Solutions* (2-2)

Gibson

First semester: a brief account of the theories of the solid state, a more detailed discussion of the nature of liquids and theories of solutions of nonelectrolytes and their applications; second semester: application of thermodynamics and statistical mechanics to the theories of solutions of nonelectrolytes and electrolytes. Prerequisite: Chemistry 212. Mon. and Wed., 5:10 P.M.

- †221-22 *Advanced Quantitative Analysis* (2-2) Hoffman  
The theory of the quantitative estimation of the less common elements. Prerequisite: Chemistry 122 and 132. (Offered in 1941-42 and alternate years.)
- 226 *Quantitative Organic Analysis* (3) Knowles  
Prerequisite: Chemistry 121 and 152 (formerly 42); permission of the instructor. Mon. and Wed., 6:10 to 10:00 P.M.
- †231-32 *Advanced Inorganic Chemistry* (2-2) Hoffman  
The chemistry of the less familiar elements. Prerequisite: Chemistry 132 and 152 (formerly 42). Tues. and Thurs., 5:10 P.M.
- †251-52 *Advanced Organic Chemistry* (formerly 141-42) (3-3) Wrenn  
An introduction to the literature of Organic Chemistry; the study of the syntheses, reactions, and properties of carbon compounds; the fundamental theories of Organic Chemistry. Prerequisite: Chemistry 152 (formerly 42); prerequisite or concurrent registration: Chemistry 111-12. Mon., Wed., and Fri., 6:10 P.M. Open to seniors with the permission of the instructor.
- 253 *Advanced Synthetic Organic Chemistry* (formerly 243) (2) Wrenn  
A critical study of the reactions employed in the synthesis of organic compounds. Prerequisite: Chemistry 252 (formerly 142). Tues. and Thurs., 5:10 P.M. (Offered in 1940-41 and alternate years.)
- 254 *Stereo-organic Chemistry* (formerly 244) (2) Mackall  
The stereochemistry of carbon compounds. Prerequisite: Chemistry 252 (formerly 142). Tues. and Thurs., 5:10 P.M. (Offered in 1940-41 and alternate years.)
- 255 *Carbohydrates* (formerly 241) (2) Ambler  
A study of the structure and properties of the carbohydrates. Prerequisite: Chemistry 252 (formerly 142). Mon. and Wed., 6:10 P.M.
- 256 *Polypeptides* (formerly 242) (2) Ambler  
A study of the structure and classification of polypeptides and their derivatives. Prerequisite: Chemistry 252 (formerly 142). Mon. and Wed., 6:10 P.M.
- 258 *Qualitative Organic Analysis* (formerly 245) (2) Mackall  
The identification of pure organic compounds, the separation



of mixtures, and the identification of their components. Prerequisite: Chemistry 155 (formerly 146); prerequisite or concurrent registration: Chemistry 252 (formerly 142). Laboratory—Tues. and Thurs., 7:10 to 10:00 P.M.

**259 Advanced Organic Laboratory (formerly 246) (3)**

**Mackall, Wrenn**

The application of specialized techniques of Organic Chemistry to the preparation, isolation, purification, and identification of carbon compounds. This course is designed primarily for students preparing for research in the field of Organic Chemistry. Prerequisite: Chemistry 258 (formerly 245); the permission of the instructors. Hours to be arranged.

**291-92 Seminar (1-1)**

**The Staff**

Prerequisite: the Bachelor's degree in Chemistry. Fri., 5:10 P.M.

**297-98 Research**

**The Staff**

Hours, credits, and fees to be arranged.

Summer Sessions 1940 (3-3)—hours to be arranged, nine weeks' term.

**299-300 Thesis (3-3)**

**The Staff**

## CIVIL ENGINEERING

Frank Artemas Hitchcock, M.S. in C.E., C.E., *Professor of Civil Engineering, Executive Officer*

Allen Boyer McDaniel, B.S., *Professorial Lecturer in Civil Engineering*

Charles Edward Cook, B.S. in C.E., B.S. in E.E., *Assistant Professor of Civil Engineering.*

George Strollo, B.S. in C.E., M.C.E., *Instructor in Civil Engineering*

Carl Hugo Walther, B.E., M.C.E., *Instructor in Civil Engineering*

Joseph Carl Oleinik, M.S., *Associate in Civil Engineering*

Edgar Stover Walker, B.S. in C.E., *Associate in Civil Engineering*

*Minimum requirements for the major.—See page 122.*

*Fees.—For a statement of laboratory and other fees, see page 20.*

### FIRST GROUP

#### 1 *Surveying* (3)

Cook, Walker

The principles, methods, and instruments used in surveying, with field work. Prerequisite: Mathematics 12. Section A: Tues. and Thurs., 12:10 P.M.; section B: Mon. and Fri., 6:10 P.M. Field work—section A: Tues. 1:40 P.M.; section B: Sat. 9:10 A.M. and 1:40 P.M.

Civil Engineering 1x—same as Civil Engineering 1, but offered second semester. Hours to be arranged.

#### 14 *Materials and Hydraulics Laboratory* (2)

Strollo

Determination of the properties of materials by mechanical tests, and a study of the flow of fluids. Prerequisite: Civil Engineering 25. Prerequisite or concurrent registration: Civil Engineering 132 and 134. Section A: Tues. and Thurs., 1:40 P.M.; section B: Tues. and Thurs., 7:30 P.M.

Civil Engineering 14x—same as Civil Engineering 14, but offered first semester.

#### 15-16 *Navigation* (2-2)

Theory and use of instruments of navigation. Prerequisite: Trigonometry. (Not offered in 1940-41.)

#### 25-26 *Materials of Construction* (2-2)

Walther

Nonmetallic materials, with emphasis on cement; metallic materials, with emphasis on iron and steel. Prerequisite or

- concurrent registration: Chemistry 12. Section A: Mon. and Fri., 9:10 A.M.; section B: Mon. and Fri., 5:10 P.M.
- 41 *Graphic Statics* (3) Hitchcock, Walther  
Fundamental principles; analyses of beams; determination of stresses in roof trusses and framed bents. Prerequisite or concurrent registration: Civil Engineering 131. Section A: Tues. and Thurs., 11:10 A.M., and Thurs., 1:40 P.M.; section B: Tues. and Thurs., 6:10 P.M., and Tues., 7:30 P.M.
- 42 *Bridge Stresses* (3) Hitchcock, Walther  
Determination of stresses in modern types of bridge trusses. Prerequisite: Civil Engineering 41. Prerequisite or concurrent registration: Civil Engineering 132. Section A: Tues. and Thurs., 11:10 A.M. and 1:40 P.M.; section B: Tues. and Thurs., 6:10 P.M., and Tues., 7:30 P.M.
- 161-62 *Highways and Pavements* (2-2) Cook  
Highway economics, location, construction, and maintenance. Prerequisite or concurrent registration: Civil Engineering 25 and 71. Tues. and Thurs., 6:10 P.M.
- 71 *Route Surveying* (3) Cook  
Curves and earthwork, and methods of location as used on railroads and highways; field work: complete highway location. Prerequisite: Civil Engineering 1. Section A: Tues. and Thurs., 10:10 A.M.; section B: Tues. and Thurs., 5:10 P.M. Field work—Sat., 9:10 A.M. and 1:40 P.M.
- 72 *Railroad Engineering* (3) Cook  
Track construction and requirements, rolling stock, cost and operation of railroads, with field work. Prerequisite: Civil Engineering 71. Section A: Tues. and Thurs., 10:10 A.M.; section B: Tues. and Thurs., 5:10 P.M. Field work—Sat., 9:10 A.M. and 1:40 P.M.

## SECOND GROUP

- 102 *Higher Surveying* (4) Cook, Walker  
The elements of geodesy, triangulation, topography, hydrography, and precise and trigonometric leveling, with field work. Prerequisite: Civil Engineering 1. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M. Field work—Sat., 9:10 A.M. and 1:40 P.M.
- 130 *Analytical Mechanics: Statics* (2) Walther  
Prerequisite: Mathematics 20; Physics 12 and 13. Section A: Tues. and Thurs., 10:10 A.M.; section B: Tues. and Thurs., 5:10 P.M.



- 131 *Analytical Mechanics: Kinematics and Kinetics* (3) Strollo  
Prerequisite: Civil Engineering 130. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 5:10 P.M.
- 132 *Elasticity and Resistance of Materials* (3) Strollo  
Tension, compression, shear, and torsion; deflection; combined and working stresses. Prerequisite: Civil Engineering 25 and 130. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 5:10 P.M.
- 133-34 *Hydraulics* (2-2) Strollo  
Prerequisite or concurrent registration: Mathematics 20. Section A: Tues. and Thurs., 9:10 A.M.; section B: Tues. and Thurs., 6:10 P.M.
- 145-46 *Higher Structures* (3-3) Hitchcock  
Determination of the positions of loading and stresses in the more complicated structures. Prerequisite: Civil Engineering 42. Mon., Wed., and Fri., 5:10 P.M.
- 147-48 *Structural Design* (2-2) Walther  
Computations and drawings for the design of steel structures. Prerequisite: Civil Engineering 42. Tues. and Thurs., 7:30 P.M.
- 149-50 *Concrete and Masonry Construction* (3-3) Hitchcock, Oleinik  
Plain concrete; general properties and theory of reinforced concrete; foundations and retaining walls. Prerequisite: Civil Engineering 25 and 132. Tues. and Thurs., 5:10 P.M., and Mon., 7:30 P.M.
- 181-82 *Water Supply and Sewerage* (3-3) Cook  
Collection, storage, purification, and distribution of water; sewerage systems and treatment of sewage. Prerequisite: Civil Engineering 134; Chemistry 12 and 21. First semester—Mon., Wed., and Fri., 6:10 P.M.; second semester—Mon. and Fri., 6:10 P.M., and Wed., 7:30 P.M.
- 185-86 *Engineering Seminar* (2-2) The Staff  
Hours to be arranged.
- 187 *Contracts and Specifications* (2) McDaniel  
Development of contract principles; preparation of engineering contracts; specifications and methods of studying them; important examples of contracts and specifications; practice in analyzing and in writing specifications. Tues. and Thurs., 6:10 P.M.

## CLASSICAL LANGUAGES AND LITERATURES

John Francis Latimer, Ph.D., *Associate Professor of Classical Languages and Literatures, Executive Officer*  
\_\_\_\_\_, *Associate in Classics*

*The major in Latin.*—Prerequisite: Latin 111-12 (for students entering with only two years of high school Latin); a reading knowledge of French or German; History 39. Required: twenty-four semester-hours of second- or third-group courses (one year of Greek may be substituted for three semester-hours of Latin); Philosophy 111-12.

*The major in Greek.*—Prerequisite: two years of high school Latin or one year of college Latin; a reading knowledge of French or German; History 39. Required: twenty-four semester-hours, exclusive of Greek 1-2; Philosophy 111-12.

### LATIN

#### FIRST GROUP

†1-2 *First-Year Latin* (3-3) Latimer, \_\_\_\_\_  
Essentials of Latin grammar; reading selections; composition.  
Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon.,  
Wed., and Fri., 5:10 P.M.

†3-4 *Second-Year Latin* (3-3) \_\_\_\_\_  
Review of grammar; wide variety of reading selections; composition. Tues. and Thurs., 5:10 to 6:25 P.M.

#### SECOND GROUP

111-12 *Selections from Latin Prose and Poetry* (3-3) Latimer  
Mon. and Wed., 11:10 A.M. to 12:25 P.M.

113-14 *Survey of Latin Literature to 125 A.D.* (3-3) Latimer  
Prerequisite: four years of high school Latin or Latin 111-12.  
(Not offered in 1940-41.)

115-16 *Selected Roman Authors* (3-3) Latimer  
Depending upon the interest of the students, certain authors  
will be selected for study each semester. The course may be  
repeated for credit.

117-18 *Prose Composition* (1-1) Latimer  
Since the material varies this course may be repeated for credit.  
Hours to be arranged.

## THIRD GROUP

- 211-12 *Roman Novel; Biography; Philosophy* (3-3) Latimer  
One of the three types will be selected each semester. The course is designed for intensive and extensive study, and may be repeated for credit. Hours to be arranged.

## GREEK

## FIRST GROUP

- †1-2 *First-Year Greek* (3-3) Latimer  
Essentials of Greek grammar; reading selections; composition. (Not offered in 1940-41.)
- †3-4 *Second-Year Greek* (3-3) Latimer  
Review of grammar; wide variety of reading material; composition. Mon., Wed., and Fri., 7:10 P.M.

## SECOND GROUP

- 109-10 *Greek Prose and Poetry; Selections* (3-3) Latimer  
Since the authors studied vary, this course may be repeated for credit. (Not offered in 1940-41.)

## THIRD GROUP

- 209-10 *Selected Greek Authors* (3-3) Latimer  
The work of one author will be chosen each semester for intensive and extensive study. This course may be repeated for credit. Hours to be arranged.



## DERMATOLOGY AND SYPHILOLOGY

Harry Ford Anderson, M.D., *Professor of Dermatology and Syphilology, Executive Officer*

George William Creswell, A.B., M.D., *Associate in Dermatology and Syphilology*

Russell Joseph Fields, B.S., M.D., *Associate in Dermatology and Syphilology*

Theodore Claremont Chen Fong, M.D., *Clinical Instructor in Dermatology and Syphilology*

Hayden Kirby-Smith, B.S., M.D., *Clinical Instructor in Dermatology and Syphilology*

Leslie Kieth MacClatchie, B.S., M.D., *Clinical Instructor in Dermatology and Syphilology*

313-14 *Dermatology and Syphilology*

Anderson

Didactic lectures and demonstrations of the most common skin diseases in all their manifestations, and of general and cutaneous syphilis, with special emphasis on its treatment. One hour a week.

316 *Neurosyphilis*

Fong

Didactic lectures on the subject of syphilis of the brain and spinal cord, emphasizing especially paresis and tabes, and including treatment. Venereal therapy is also thoroughly discussed. St. Elizabeths Hospital. One hour a week for eight weeks.

318 *Congenital Syphilis (elective)*

Fields

Children's Hospital. One section, one hour a week.

407-8 *Clinic*

The Staff

Emergency Hospital and University Hospital dispensary clinic.

409-10 *Clinic*

Anderson, MacClatchie

Children's Hospital. One section twice a week.

## ECONOMICS

John Donaldson, Ph.D., *Professor of Political Economy*  
 James Christopher Corliss, A.M., *Adjunct Professor of Inter-American Economics*  
 Arthur Edward Burns, Ph.D., *Adjunct Professor of Economics*  
 Edward Campion Acheson, Ph.D., *Associate Professor of Finance*  
 Donald Stevenson Watson, Ph.D., *Assistant Professor of Economics, Acting Executive Officer*  
 Allen Buchanan, Ph.D., *Lecturer in Economics*  
 Don Dougan Humphrey, Ph.D., *Lecturer in Economics*  
 Peyton Armstrong Kerr, Ph.D., *Associate in Economics*

*The major.*—Prerequisite: Economics 1-2. Required: Economics 105 and twenty-one additional semester-hours in Economics; at least fifteen semester-hours of second-group courses selected from the following departments—Business Administration, History, Philosophy, Political Science, and Statistics. Recommended in addition: History 147 and 174; Statistics 101-2.

### FIRST GROUP

- 1-2 *Introductory Economics* (3-3) Burns, Acheson, Kerr  
 Survey of the major economic institutions and economic problems in contemporary society. Lecture—section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 5:10 P.M.; section C: Tues. and Thurs., 6:10 to 7:25 P.M.  
 Summer Sessions 1940 (3-3)—section A: daily except Sat., 9:30 to 11:20 A.M., nine weeks' term (Watson); section B: daily except Sat., 6:10 to 8:00 P.M., nine weeks' term (Kerr).

### SECOND GROUP

- 105 *Economic Theory* (3) Humphrey  
 Analysis of several major types of contemporary economic theory. Prerequisite: Economics 1-2. Mon., Wed., and Fri., 5:10 P.M.  
 Economics 105x—same as Economics 105, but offered second semester. Tues., Thurs., and Sat., 9:10 A.M.
- 106 *Development of Economic Thought* (3) Burns  
 Economic doctrines since the mercantilist writers; the history of major schools of thought; influence of changing problems on thought. Prerequisite: Economics 1-2. Mon., Wed., and Fri., 6:10 P.M.

- 110 *Economic Geography* (3) Acheson  
The economics of natural resources: raw materials; staple crops; and location of industry. Prerequisite: Economics 1-2. (Not offered in 1940-41.)  
Summer Sessions 1940—daily except Sat., 5:10 P.M., nine weeks' term.
- 119-20 *Money and Banking* (3-3) Acheson  
Money, bank credit, and prices; commercial and investment banking; banking systems; historical development of banking; government and banking; functions of money and banking. Prerequisite: Economics 1-2. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.
- 126 *Public Finance and Taxation* (3) Watson  
General survey of government expenditures, sources and methods of taxation, economic effects of expenditures and taxes, and of government debt policies. Prerequisite: Economics 1-2. Tues. and Thurs., 6:10 to 7:25 P.M.
- 132 *Agricultural Economics* (3) Humphrey  
The major economic problems of agriculture; analysis of federal agricultural policies and programs. Prerequisite: Economics 1-2. (Not offered in 1940-41.)
- 141 *Labor Economics* (3) Buchanan  
Labor problems: wages, hours, and working conditions; growth of labor organizations; types of unions; union tactics and programs. Prerequisite: Economics 1-2. Mon., Wed., and Fri., 5:10 P.M.
- 142 *Government and Labor Problems* (3) Buchanan  
Labor legislation; labor and the courts; federal regulation of capital-labor relations; the work of federal labor boards. Prerequisite: Economics 141. Mon., Wed., and Fri., 5:10 P.M.
- 146 *Economic Security and Social Insurance* (3) Burns  
Economic and social problems of unemployment and destitution; analysis of the federal social security and relief programs; economic aspects of these programs. Prerequisite: Economics 1-2. (Not offered 1940-41.)
- 165 *Trends in Government Control of Economic Activity* (3) Watson  
Changing role of government in promoting and regulating economic activity; types and spheres of control. Prerequisite: Economics 1-2. Mon., Wed., and Fri., 5:10 P.M.



- 166 *Comparative Systems of Economic Reform* (3) Watson  
Critical analysis of the major theories of economic and social reform, with special attention to their origins and backgrounds. Prerequisite: Economics 1-2. Mon., Wed., and Fri., 5:10 P.M.
- 167 *Economics of Planning* (3) Watson  
Analytical comparison of economic systems coordinated by market price with those coordinated by central authority. Prerequisite: Economics 1-2 and 105. Mon., Wed., and Fri., 11:10 A.M.
- 175 *Economic Fluctuations: Business Cycles* (3) Burns  
Analysis of strategic factors in economic instability and economic retardation; survey of recent business-cycle theories. Prerequisite: Economics 1-2. Mon., Wed., and Fri., 6:10 P.M.  
Summer Sessions 1940 (3)—daily except Sat., 7:30 A.M., nine weeks' term.
- 177 *Advanced Economic Theory* (3) Watson  
Analysis of the theory of monopolistic competition and other recent developments in general economic theory. Prerequisite: Economics 1-2 and 105. (Not offered in 1940-41.)  
Summer Sessions 1940 (3)—daily except Sat., 5:10 P.M., nine weeks' term.
- 181-82 *International Economic Relations* (3-3) Donaldson  
Survey of world economics: basic factors and concepts; structure of national and world economy; international industrial, commercial, and monetary processes, problems, and policies. Prerequisite: Economics 1-2. Tues. and Thurs., 6:10 to 7:25 P.M.
- 183 *Tariffs and Commercial Treaties* (3) Donaldson  
Origins and types of modern foreign commercial policy, in the light of evolving doctrines and regimes; exploration of forms, devices, and effects of tariffs and international commercial accords. Prerequisite: Economics 1-2. Tues. and Thurs., 11:10 A.M. to 12:25 P.M.
- 184 *The New Foreign Economic Policies* (3) Donaldson  
Causes, growth, and techniques of barter and other new types of trade and exchange controls and agreements; bilateralism; American trade agreements; economic nationalism and internationalism. Prerequisite: Economics 1-2. Tues. and Thurs., 11:10 A.M. to 12:25 P.M.
- 185-86 *Economic History and Problems of Latin America* (3-3) Corliss  
Economic development of Latin America; recent trade and

financial problems and government policies. Prerequisite: Economics 1-2. Tues. and Thurs., 5:10 P.M.; third hour to be arranged.

- 187-88 *Foreign Exchange and International Finance* (3-3) Acheson  
Theory and practice of foreign exchange; types of exchange; organization of the exchange market; the gold standard and international finance during the nineteenth century; war and post-war exchange problems. Prerequisite: Economics 119-20. Tues. and Thurs., 5:10 P.M.; third hour to be arranged.

- 189 *Exchange Depreciation, Stabilization, and Control* (3) Acheson  
Post-war currency history with emphasis on growth of exchange control; depreciation of the major currencies; attempts at stabilization. Prerequisite: Economics 187-88. (Not offered in 1940-41.)

Summer Sessions 1940 (3)—daily except Sat., 6:10 P.M., nine weeks' term.

- 190 *Recent World Monetary Problems* (3) Acheson  
International aspects of the monetary crises of the 1930's; devaluation of the dollar; financial problems abroad; growth of stabilization funds; the Tri-Partite and other agreements. Prerequisite: Economics 189. (Not offered in 1940-41.)

### THIRD GROUP

- 205-6 *History of Economic Thought* (3-3) Burns  
Critical analysis and interpretation of the development and the literature of economic thought; origins and problems of the major types of theory; their relation to present problems and policies. Mon., 7:10 P.M.

- 221-22 *Currency, Credit, and Banking: Theory and Problems* (3-3) Watson  
Study of efforts to control economic activity through the banking and monetary system, with particular attention to central banking controls. Tues., 7:10 P.M.

- 225 *Public Finance* (3)  
Study of special problems such as deficit financing, current tax problems, and federal, state, and local financial relationships. Thurs., 7:30 P.M.

- 231-32 *Government Control and Economic Planning* (3-3) Watson  
Problems of government in relation to business; the work of federal agencies in the regulation and stimulation of business; economic theory and problems of planning. Mon., 7:10 P.M.

- 241-42 *Labor and Social Economics* (3-3)  
Analysis of labor problems, with special reference to labor organization; intensive study of federal regulation and participation in capital-labor relations. (Not offered in 1940-41.)
- 275 *Business Cycles: Theory and Problems* (3)  
Analysis of several types of current business-cycle theories; the problem of economic stagnation; recent works of Keynes and others. Wed., 7:30 P.M.
- 278 *Economics of Recovery Policy* (3)  
Analysis of instability and secular retardation; government spending, investment policy, tax policy as recovery measures. Wed., 7:30 P.M.  
Summer Sessions 1940 (3)—days to be arranged, 7:10 P.M., nine weeks' term (Burns).
- 281-82 *Public and Private Finance in Latin America* (3-3) Corliss  
Corporate finance, banking, and capital movements in Latin America; fiscal problems; public debt, deficit financing, taxation, public expenditures; foreign-exchange controls and problems. A reading knowledge of Spanish or Portuguese is required. Hours to be arranged.
- 283-84 *Economic Problems of Latin America* (3) Corliss  
Foreign trade and foreign commercial policy; growth of industry and agriculture; government control of economic activity; recent economic trends and problems. Hours to be arranged.
- 285 *Theories of International Economics* (3) Donaldson  
Examination and critique of classical international equilibrium analysis and other schools of world economic thought. Tues. and Thurs., 5:10 P.M.
- 286 *The Balance of International Payments* (3) Donaldson  
Structure and theories of the balance; the dynamic interrelationships between trade and other external transactions; the balance and the formulation of foreign economic policy. Tues. and Thurs., 5:10 P.M.
- 287-88 *Research in International Economic Relations* (3-3) Donaldson  
Original investigations, analyses, and seminar discussions of special problems and concepts in world economics. Thurs., 8:10 P.M.



289-90 *International Finance* (3-3)

Acheson

Studies of the monetary history and exchange problems of specific countries. (Not offered in 1940-41.)

293 *Contemporary Economic Theory* (3)

Humphrey

Intensive analysis of the recent literature in economic theory.  
Prerequisite: Economics 205-6. (Not offered in 1940-41.)

299-300 *Thesis* (3-3)

The Staff

## EDUCATION

- William Cullen French, Ph.D., *Professor of Education*  
 Frank Washington Ballou, Ph.D., *Adjunct Professor of Education*  
 Julia Letheld Hahn, Ph.D., *Adjunct Professor of Education*  
 Sidney Bartlett Hall, A.M., Ed.D., *Adjunct Professor of Education*  
 Chester Winfield Holmes, Ed.D., *Adjunct Professor of Education*  
 Benjamin Franklin Kyker, A.M., *Adjunct Professor of Education*  
 Maris Marion Proffitt, Ph.D., *Adjunct Professor of Education*  
 William Carson Ryan, Jr., Ph.D., Ed.D., LL.D., *Adjunct Professor of Education*  
 Meredith Chester Wilson, B.S., *Adjunct Professor of Education*  
 Neils Peter Neilson, Ph.D., *Adjunct Professor of Education*  
 Harry Albert Jager, A.M., *Visiting Professorial Lecturer in Education*  
 Giles Murrell Ruch, Ph.D., *Visiting Professorial Lecturer in Education*  
 Helen Katherine Mackintosh, Ph.D., *Visiting Professorial Lecturer in Education*  
 James Harold Fox, A.M., Ed.D., *Associate Professor of Education, Executive Officer*  
 Ruth Emma Coyner, Ph.D., *Assistant Professor of Education*  
 Burnice Herman Jarman, A.M., Ed.D., *Assistant Professor of Education*  
 Birch Evans Bayh, A.M., *Lecturer in Education*  
 Mildred Dean, A.B., *Visiting Lecturer in Education*  
 Jane Frost Hilder, *Lecturer in Education*  
 Lili Peller, *Lecturer in Education*  
 Agnes Kerr Tweedie, Ed.M., *Lecturer in Education*  
 Ruth Kincer Webb, A.M., *Lecturer in Education*  
 Oliver Edwin Baker, Ph.D., Sc.D., *Research Associate in Education*  
 John Kerr Rose, Ph.D., *Research Associate in Education*

*Minimum requirements for degrees.*—See pages 141-43.

*Fees.*—For a statement of practice-teaching fees, see page 20.

## SECOND GROUP

- 112 *Historical Foundations of American Education* (3) Coyner  
 European backgrounds of American Education; origin and development of present-day practices in American school organization, support, subjects of study, and supervision; early experiments in progressive education; teacher education; child study and the scientific movement. Tues. and Thurs., 5:10 to 6:25 P.M.

- 121 *Adjusting the Curriculum to the Exceptional Child* (2) Webb  
Especially designed for elementary school teachers. Preparation and application of practical materials for pupils in regular classes who deviate from the average. Plans to meet the needs of bright, gifted, dull, and problem pupils will be developed. Summer Sessions 1940—daily except Sat., 9:30 A.M., six weeks' term.
- 123-24 *Remedial Reading\** (3-3) Hilder  
A practical approach to remedial problems in reading. Designed for both elementary school and secondary school teachers. Students are required to conduct a remedial-reading project in connection with class work. Sat., 9:10 to 11:00 A.M.
- 128 *Science in the Elementary School\** (3) Fox  
Aims, critical review of the literature concerning content and method, grade placement of content, principles involved in the organization of instructional units, demonstration of typical learning activities suitable for the various grades, evaluation of texts and other references, simple equipment adapted to the limitations of the ordinary classroom, the use of visual and auditory aids. Tues., 7:30 P.M.
- 131 *Methods of Teaching in the Junior High School\** (2) Coyner  
Practical problems of the junior high school teacher: construction of units of work; questioning; assignments; discipline; classroom procedures. Section A: Tues. and Thurs., 11:10 A.M.; section B: Tues. and Thurs., 5:10 P.M.
- 133-34 *Observation and Cadet Teaching\*†* (2 to 6) Coyner  
Hours and credits to be arranged individually.
- 136 *Teaching of English\** (2) Tweedie  
A practical course in specific methods for the teaching of the various phases of secondary school English, combined with a survey of recent professional publications in the field. Lectures, book reviews, and weekly papers. Tues. and Thurs., 5:10 P.M.
- 138 *The Social Studies\** (2) Coyner  
Developments in the teaching of the social studies: aims and methods; classroom and library equipment; evaluation of textbooks; testing. Mon., 7:30 to 9:30 P.M.  
Summer Sessions 1940—daily except Sat., 8:30 A.M., six weeks' term.

\* Educational Psychology is prerequisite to all courses in methods.

† May not be taken for credit by students registered in Columbian College.



147 *Proseminar: The Organization of the School Health Program\**  
(3) Bayh

For administrators in the general field, for teachers of health and physical education, and for classroom teachers in other fields who desire to become familiar with this phase of the educational program. The place of the school health program in school organization; general philosophy; techniques for organizing the modern school health program; its principal divisions. Thurs., 7:30 P.M.

148 *Proseminar: Methods and Materials in Health Instruction\**  
(3) Bayh

Primarily for persons who will teach, supervise, or administer health teaching. What to teach, when to teach it, and how to teach in elementary, junior high, and senior high schools. The class will be organized to permit members to work on the problems in their own situations. Thurs., 7:30 P.M.

156 *Secondary Education: The Junior and Senior High School\**  
(3) Jarman

Development; purpose; relationship to elementary education; organization and administration; guidance; program of studies; community relationships. Section A: Mon., Wed., and Fri. 11:10 A.M.; section B: Mon., Wed., and Fri., 5:10 P.M.

Summer Sessions 1940—The Junior High School (2), daily except Sat., 11:30 A.M., six weeks' term.

167 *Proseminar: The Improvement of Instruction in Vocational Business Subjects\** (3) Kyker

The results of occupational surveys and follow-up studies as bases in the determination of vocational business curricula; the use of job analyses in determining subject matter; the whole method of teaching typewriting; direct and functional methods in shorthand; methods in bookkeeping and distributive education; extended study of methods in one subject-matter area through projects and directed reading. Tues., 7:30 P.M. Conference hour: 6:30 P.M.

168 *Proseminar: The Improvement of Instruction in Social Business Subjects\** (3) Kyker

Aims, nature of subject matter, and methods of teaching such non-vocational subjects as elementary business information, business law, economics, consumer education, elementary business organization; the place of social business subjects in the

\* Educational Psychology is prerequisite to all courses in methods.

curriculum and their relationship to vocational business subjects; extended study of methods in one subject-matter area through projects and directed reading. Tues., 7:30 P.M. Conference hour: 6:30 P.M.

- 171 *Proseminar: Adult Education* (3) Jarman  
Nature, extent, and organization of programs in adult education. Includes the study of provisions for parent education, academic and vocational programs in public school systems, federal projects and other new developments in the field. Review of recent literature. Fri., 7:30 P.M.

- 187 *Organization and Administration of Guidance* (2) Jager, Ruch  
Principles and functions of guidance; roles of the classroom teacher, homeroom teacher, counsellor, principal, and clinic; measurement in guidance; personnel records; initiating a school guidance program; administration of guidance in a school system.

Summer Sessions 1940—daily except Sat., 7:30 A.M., six weeks' term.

### THIRD GROUP

- 203-4 *Modern World Movements in Education* (3-3) Jarman  
A study of modern world conditions with respect to education. An interpretation in terms of national goals and cultures. Intended to provide the student with an understanding of foreign educational systems as they exist at present and a comparison of current foreign practices with American practices. A number of guest speakers representing various embassies will participate. Sat., 11:10 A.M. to 1:00 P.M.

- 205-6 *Seminar: The Curriculum* (3-3) French  
An analysis of basic curriculum literature and procedures. The second semester will be organized as a curriculum workshop with lectures, conferences, and group discussions. Sat., 11:10 A.M. to 1:00 P.M.

- 209 *Organization and Administration of Public Education* (3) Fox  
Administrative problems affecting teachers; effective human relationships in administration; the control of public education—local, state, and federal. Tues., 7:30 P.M.

Summer Sessions 1940—daily except Sat., 8:30 A.M., six weeks' term.

- 213-14 *Seminar: Origins of American Education* (3-3) French  
Historical research in American education. Tues., 7:30 P.M.

217 *Contemporary Problems in Education* (3)

Jarman

Designed to help students formulate a personal philosophy of education. Discussion of such problems as the relative roles of social-civic, economic-vocational, and individual-avocational activities; adjustment to environment versus self-development; progressive versus fundamentalist viewpoints; child-centered versus society-centered schools; indoctrination versus open-mindedness. Mon., 7:30 P.M.

Summer Sessions 1940—daily except Sat., 9:30 A.M., six weeks' term.

218 *Social Foundations of Education* (3)

Jarman

A study of the social forces that shape the policies, subject-matter offerings, and limitations of the school. Designed to show the growth and development of present-day practices in terms of cultural, social, economic, and political patterns. Mon., 7:30 P.M.

221-22 *Seminar: Early Childhood Education* (3-3)

Peller, Coyner

Problems concerning the educational growth and development of young children, ages 2 to 8; needs, interests, and abilities as related to progressive instructional practices. First semester: home backgrounds, nursery school and kindergarten situations; second semester: primary grades. Fri., 7:30 P.M.

Summer Sessions 1940—Primary Grades (3), daily except Sat., 11:30 A.M., six weeks term (Coyner).

223 *Seminar: Program Planning in the Elementary Grades* (3)

Coyner

Newer tendencies and practices in program planning in the elementary grades. Each member of the class will work on a problem that is particularly pertinent to his school, and will participate in lectures, conferences, and group discussions. Cooperation of the entire staff will be available.

Summer Sessions 1940—daily except Sat., 10:30 A.M., six weeks' term.

225-26 *Seminar: Elementary Education in the Intermediate Grades* (3-3)

Coyner

For elementary school teachers and administrators. A comprehensive study of the major problems of the intermediate grades. Emphasis upon new developments and recent trends. (Not offered in 1940-41.)

Summer Sessions 1940—Education 225 (3), daily except Sat., 11:30 A.M., six weeks' term (Mackintosh).



229 *Seminar: Administration of Elementary Education* (3)

Coyner, Webb

Practical problems of the elementary school principal, involving attendance, discipline, health and safety, administrative routine, classification of pupils, standards of promotion, experimental programs, etc. Discussion of these problems from the viewpoint of the philosophy and psychology of modern school practice. Sat., 9:10 A.M.

230 *Seminar: Supervision of Elementary Education* (3)

Coyner

Practical problems of the elementary school principal as related to the improvement of instruction, classroom visitation, faculty meetings, creative, and extra-class activities. Problems and trends of the elementary school will be discussed in the light of the philosophy and psychology of current school practice. (Not offered in 1940-41.)

Summer Sessions 1940—daily except Sat., 10:30 A.M., six weeks' term (Webb).

244 *Seminar: Methods of Teaching High School Latin* (3)

Courses of study since 1900; methods and texts in current use; adaptation of method to particular school conditions. The Classical Investigation is used as a basis of action. Students are assigned topics for special study and have the opportunity of observing methods in high school summer classes. (Not offered in 1940-41.)

Summer Sessions 1940—daily except Sat., 8:30 A.M., six weeks' term (Dean).

251 *Principles and Methods in the Senior High School* (3)

Jarman

Designed for students without teaching experience on the senior high school level. Emphasis will be placed on basic principles, current issues and problems, and methods of instruction. Tues., 7:30 P.M.

253 *Seminar: Course of Study Construction in Secondary Schools* (3)

Jarman

A workshop approach to course of study construction for junior and senior high school teachers. Opportunity will be given the individual student to carry on research in problems originating in his particular school. There will be conferences, general lectures, and group discussions. Other members of the staff will be available as consultants. (Not offered in 1940-41.)

Summer Sessions 1940—daily except Sat., 8:30 A.M., six weeks' term.

255-56 *Seminar: Secondary Education (3-3)*

Fox

Designed for senior high school teachers of experience. First semester: current problems in methodology arising out of changes in the school population, recent developments in psychology and the availability of better teaching aids; second semester: problems arising out of recent developments in the organization of content. Students will be given an opportunity to make more intensive studies of problems in which they are especially interested. Fri., 7:30 P.M.

257 *Seminar: Secondary Education (3)*

Fox

Principles, objectives, curriculum, and activities of the senior high school. Students will be given an opportunity to present any problems in which they are especially interested.

Summer Sessions 1940—daily except Sat., 9:30 A.M., six weeks' term.

259 *Seminar: Administration of Secondary Education (3)*

Fox, Holmes

Admission, classification, promotion, and control of pupils; financial problems; scheduling of classes; administrative routine; staff organization. Sat., 9:10 to 11:00 A.M.

Summer Sessions 1940—daily except Sat., 10:30 A.M., six weeks' term (Fox).

260 *Seminar: Supervision of Secondary Education (3)*

Fox, Holmes

Evaluation of a secondary school; philosophy and organization of supervision; democratic procedures in supervision. Sat., 9:10 to 11:00 A.M.

268 *Seminar: Business Education (3)*

Kyker

The objectives of business education and its place in secondary education; basic problems in the organization of curricula; criteria to be used in the selection of subject matter; problems of pupil distribution, adjustment, and placement; extended study through projects and directed reading of problems of particular interest to the student. (Not offered in 1940-41.)

282 *Seminar: Administrative Problems of the County Superintendent (3)*

Fox

Current practices with respect to the development of intelligent and sympathetic public interest in education, administration of the budget, school-building standards, purchase of supplies, and maintenance. For superintendents, principals, department heads, and experienced teachers. (Not offered in 1940-41.)

**283-84 Research Problems (3-3)****Ballou**

Investigations in public school education. Admission by permission of the instructor. Hours to be arranged.

**287-88 Clinical Study of Reading Problems (3-3)****Hilder**

Diagnostic work under supervision in the Reading Clinic; discussion of cases; follow-up studies; extended study through projects and directed reading of problems of particular interest to the student. For advanced students. Admission by permission of the instructor. Sat., 11:10 A.M. to 1:00 P.M. Individual conferences to be arranged.

**293-94 Research (3-3)****The Staff**

Individual research under the guidance of a member of the staff. Program and conferences arranged with an instructor.

Summer Sessions 1940—Education 293 (3), hours to be arranged, six weeks' term.

**297-98 Thesis (3-3)****Consultative Committee**

Program of research arranged with the committee.

Summer Sessions 1940 (3-3)—hours to be arranged, six weeks' term.

**CLOSELY RELATED COURSES IN OTHER DEPARTMENTS**

**Biology 172, Teaching of Science**

**Physical Education for Men 48, Fundamentals and Nature of Play**

**Physical Education for Men 102, Administration and Organization of Physical Education**

**Physical Education for Men 111, Leadership Organization in the Intramural Program**

**Physical Education for Men 112, Methods in Health Education**

**Physical Education for Men 141-42, Administration of Community Recreational Programs**

**Physical Education for Women 103, Nature and Function of Play**

**Physical Education for Women 112, Administration of Physical Education**

**Physical Education for Women 121, The Health and Physical Education Program in the Elementary School**

**Psychology 22, Introduction to Educational Psychology**

**Psychology 115x, Abnormal Psychology**

**Psychology 121, Educational Psychology**



- Psychology 125, *Child Psychology*  
Psychology 129, *Educational and Vocational Guidance*  
Psychology 134, *Educational Measurements*  
Psychology 221, *Seminar: Psychology of Exceptional Children*  
Psychology 226, *Seminar: Clinical Psychology of Childhood*  
Psychology 228, *Seminar: Techniques of Counseling*  
Psychology 230, *Seminar: Educational and Vocational Guidance*  
Psychology 231, *Seminar: Test Construction*  
Psychology 232, *Research: Test Construction*  
Romance Languages 176, *Teaching of Romance Languages*  
Sociology 121, *Educational Sociology*  
Sociology 135, *Child-Welfare Problems*  
Sociology 176, *The Modern Family*  
Statistics 131-32, *Statistics in Psychology and Education*  
Statistics 135, *Introduction to Statistics in Psychology and Education*

## ELECTRICAL ENGINEERING

Norman Bruce Ames, M.S., E.E., LL.B., *Professor of Electrical Engineering, Executive Officer*

Alfred Ennis, M.S., E.E., *Assistant Professor of Electrical Engineering*

Thomas Alvin O'Halloran, B.S. in E.E., *Associate in Electrical Engineering*

William Hayward Dix, B.S. in E.E., *Associate in Electrical Engineering*

*Minimum requirements for the major.—See page 123.*

*Fees.—For a statement of laboratory and other fees, see page 20.*

### FIRST GROUP

#### 9-10 *Elements of Electrical Engineering* (3-3)

Ames

First semester: magnetic and electric circuits, and direct-current instruments and machines; second semester: alternating-current circuits, instruments, and machines. Prerequisite: Physics 12. Prerequisite or concurrent registration: Mathematics 20. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.

#### 13-14 *Direct- and Alternating-Current Laboratory* (2-2)

Ames, Ennis, O'Halloran

For students not majoring in Electrical Engineering. Experiments in direct and alternating currents and direct- and alternating-current machinery. Prerequisite: Electrical Engineering 10. Section A: Mon., 1:40 P.M.; section B: Fri., 1:40 P.M.; section C: Mon., 7:30 P.M.; section D: Thurs., 7:30 P.M.; section E: Fri., 7:30 P.M.

#### 17-18 *Direct-Current Laboratory* (2-2)

Ames, Ennis, O'Halloran

For students majoring in Electrical Engineering. A course in measurements and direct-current dynamo laboratory. Prerequisite: Electrical Engineering 9-10. Section A: Mon., 1:40 P.M.; section B: Fri., 1:40 P.M.; section C: Mon., 7:30 P.M.; section D: Thurs., 7:30 P.M.; section E: Fri., 7:30 P.M.

### SECOND GROUP

#### 101 *Electric Circuits* (3)

Ennis

Alternating-current-circuit theory. Extensive consideration is given to harmonic analysis and to the study of harmonics in both single-phase and polyphase circuits. Prerequisite: Electrical Engineering 10. Mon., Wed., and Fri., 5:10 P.M.

- 102 *Alternating-Current Machinery* (3) Ennis  
Particular attention is given to synchronous generators and motors, and to transformers. Prerequisite: Electrical Engineering 101. Mon., Wed., and Fri., 5:10 P.M.
- 103 *Alternating-Current Machinery* (3) Ames  
A continuation of Electrical Engineering 102, covering converters, induction motors, and single-phase motors. Prerequisite: Electrical Engineering 102. Mon., Wed., and Fri., 5:10 P.M.
- 125-26 *Principles of Electric Power Transmission* (2-2) Ennis  
Mechanical and electrical characteristics of transmission lines; approximate and rigorous solutions by means of hyperbolic functions; steady-state and elementary transient considerations; the more important phases of distribution of electrical energy. Prerequisite: Electrical Engineering 101. Tues. and Thurs., 6:10 P.M.
- 133-34 *Alternating-Current Laboratory* (2-2) Ames, Ennis, O'Halloran  
A continuation of Electrical Engineering 17-18, with experiments on alternating-current circuits, instruments, and machinery. Prerequisite: Electrical Engineering 18 and 103. Section A: Mon., 1:40 P.M.; section B: Fri., 1:40 P.M.; section C: Mon., 7:30 P.M.; section D: Thurs., 7:30 P.M.; section E: Fri., 7:30 P.M.
- 136 *Hydro-electric Engineering* (2) Ames  
Present-day theory and practice in hydro-electric engineering. Prerequisite: Electrical Engineering 10; Civil Engineering 134. Tues. and Thurs., 5:10 P.M.
- 137 *Electric Traction* (2) Ames  
Theory and practice of modern direct- and alternating-current railways. Prerequisite: Electrical Engineering 10. Tues. and Thurs., 5:10 P.M.
- 140 *Electrical Design* (3) Ames  
Principles of design, with reference to materials of construction and electrical equipment. Practical exercises are assigned in connection with classroom work. Prerequisite: Electrical Engineering 103. Mon. and Fri., 5:10 P.M., and Tues., 7:30 P.M.
- 141-42 *Communication Engineering* (2-2) Ennis  
A study of resonate circuits, long lines, filters, coupled circuits, impedance, matching circuits, and of phenomena occurring at communication frequencies. Prerequisite: Physics 133x. Tues. and Thurs., 5:10 P.M.



## ENGLISH

\*DeWitt Clinton Croissant, Ph.D., *Professor of English*  
 Robert Whitney Bolwell, Ph.D., *Professor of American Literature*  
 Joseph Quincy Adams, Ph.D., Litt.D., *Adjunct Professor of English*  
 Courtland Darke Baker, Ph.D., *Associate Professor of English*  
 Audley Lawrence Smith, Ph.D., *Associate Professor of English*  
 Douglas Bement, A.M., LL.B., *Associate Professor of English*  
 Ernest Sewall Shepard, A.M., *Assistant Professor of English*  
 George Winchester Stone, Jr., Ph.D., *Assistant Professor of English*,  
*Acting Executive Officer*  
 Fred Salisbury Tupper, Ph.D., *Assistant Professor of English*  
 Katherine Rogers Adams, Ph.D., *Lecturer in English*  
 Charles William Cole, Ph.D., *Instructor in English*  
 Maurice Harold Irvine, Ph.D., *Instructor in English*  
 Frederick Annis Hellman, A.M., *Instructor in English*  
 Albert Santee Kerr, A.M., *Instructor in English*  
 Douglas Ross Angus, A.M., *Instructor in English*

*The major.*—The coordinated knowledge which a student must exhibit in the major in English, and upon which he will be examined at the end of his senior year, is summarized under four general headings: (1) the history of English literature from the Anglo-Saxon period to 1900; (2) the chief English writers (a certain familiarity with each man and his main works and a detailed knowledge of Shakespeare); (3) English social and political history, 1300 to 1900, as it bears upon or is reflected in the literature; (4) European intellectual backgrounds and movements which have affected English literature. It is advised that students planning to major in English elect courses in English and European historical and intellectual backgrounds before their junior year.

*The major in American Thought and Civilization.*—For details, see the pamphlet on this subject and consult the adviser.

### **o Remedial English†**

The Staff

Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Tues., Thurs., and Sat., 10:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Tues. and Thurs., 5:10 to 6:25 P.M.

\* On sabbatical leave 1940-41.

† Special placement examinations, required of all entering freshmen, will be conducted by the English Department prior to the regular registration periods in September and February. These examinations will test the student's proficiency in spelling, grammar, punctuation, and sentence structure, his vocabulary, and, through an impromptu theme, his ability to present his ideas in logical sequence with clarity and effectiveness. On the basis of these tests students will be classified as follows: (1) especially superior students who, by the unanimous decision of the examiners, are judged to possess the equivalent discipline of English 1-2 and who, upon payment of curriculum requirement of the course; (2) students who score "satisfactory" and who will be required to take English 0, *Remedial English* (three semester-hours), upon the satisfactory completion of which they will enter English 1-2; and (3) all other students, who will be required to take English 1-2.

## FIRST GROUP

1 *Freshman English*† (3)

The Staff

Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Tues., Thurs., and Sat., 10:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Tues. and Thurs., 5:10 to 6:25 P.M.; section E: Mon., Wed., and Fri., 6:10 P.M.

English 1x—same as English 1, but offered second semester. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Tues., Thurs., and Sat., 10:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Tues. and Thurs., 5:10 to 6:25 P.M.; section E: Mon., Wed., and Fri., 6:10 P.M.

Summer Sessions 1940 (3)—June 17–July 17—section A: daily except Sat., 9:30 to 11:20 A.M. (A. Smith); section B: daily except Sat., 6:10 to 8:00 P.M. (F. Smith).

2 *Freshman English* (3)

The Staff

Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Tues., Thurs., and Sat., 10:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Tues. and Thurs., 5:10 to 6:25 P.M.; section E: Mon., Wed., and Fri., 6:10 P.M.

English 2x—same as English 2, but offered first semester. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Tues., Thurs., and Sat., 10:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Tues. and Thurs., 5:10 to 6:25 P.M.; section E: Mon., Wed., and Fri., 6:10 P.M.

Summer Sessions 1940 (3)—July 18–August 16—section A: daily except Sat., 9:30 to 11:20 A.M. (A. Smith); section B: daily except Sat., 6:10 to 8:00 P.M. (F. Smith).

9 *Sophomore Composition* (3)

The Staff

A study of the contemporary essay, with weekly exercises in expository writing. Prerequisite: English 1 and 2. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 5:10 P.M.; section C: Mon., Wed., and Fri., 6:10 P.M.

10 *Sophomore Composition* (3)

The Staff

A study of the modern short story, with exercises in narrative writing. Prerequisite: English 1 and 2. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 5:10 P.M.; section C: Mon., Wed., and Fri., 6:10 P.M.

51–52 *Introduction to English Literature* (3–3)

Stone and Staff

An historical survey. Section A: Tues., Thurs., and Sat., 10:10 A.M.; section B: Tues. and Thurs., 5:10 to 6:25 P.M.

† See footnote on page 221.

Summer Sessions 1940—English 51 (3), daily except Sat., 8:30 A.M., nine weeks' term (Stone); English 52 (3), daily except Sat., 11:30 A.M., nine weeks' term (Stone).

71-72 *Introduction to American Literature* (3-3) Bolwell, Cole  
An historical survey. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 5:10 P.M.

91-92 *Introduction to European Literature* (3-3) Shepard and Staff  
Consideration of various types. Section A: Tues., Thurs., and Sat., 11:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.

Summer Sessions 1940—English 91 (3), daily except Sat., 6:10 P.M., nine weeks' term; English 92 (3), daily except Sat., 7:10 P.M., nine weeks' term.

#### SECOND GROUP

115-16 *The Short Story* (3-3) Bement  
The philosophy and technique of the short story from the writer's point of view. Prerequisite: English 10 with honor grade, or consent of the instructor after submission of a specimen of imaginative writing. Tues. and Thurs., 5:10 to 6:25 P.M.

117-18 *Creative Writing* (3-3) Bement  
A selected seminar group for the writing of fiction. Prerequisite: English 115-16, or consent of the instructor after submission of a specimen of imaginative writing. Mon., 8:15 P.M.

121-22 *English Literature from the Beginnings to 1400* (3-3) Stone  
Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 5:10 P.M.

123-24 *Old English* (3-3) Stone  
(Not offered in 1940-41.)

129-30 *Renaissance and Elizabethan Literature* (3-3) Tupper  
Nondramatic literature from 1400 to 1603. Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 9:10 A.M.

134 *Shakespeare's Principal Plays* (2) Baker  
A study of Shakespeare's literary and theatrical technique in his principal plays.  
Summer Sessions 1940 (2)—daily except Sat., 10:30 A.M., six weeks' term.



- 135-36 *Shakespeare* (3-3) Tupper  
Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 11:10 A.M.
- 139-40 *The Seventeenth Century* (3-3) Baker  
English literature from 1603 to 1660. Prerequisite: English 51-52, 71-72, or 91-92. Tues. and Thurs., 5:10 to 6:25 P.M.
- 141-42 *The Neoclassical Movement* (3-3) A. Smith  
Poetry and prose from 1660 through the mid-eighteenth century. Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 6:10 P.M.  
Summer Sessions 1940—English 142 (3), daily except Sat., 5:10 P.M., nine weeks' term (Stone).
- 151-52 *The Romantic Movement* (3-3) A. Smith  
From the mid-eighteenth century through Shelley and Keats. Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 10:10 A.M.
- 161-62 *Victorian Literature* (3-3) Shepard  
Poetry and prose from 1830 to 1890. Prerequisite: English 51-52, 71-72, or 91-92. Tues., Thurs., and Sat., 10:10 A.M.
- 165 *Contemporary British Literature* (3) Baker  
A survey of British literature since 1890. Prerequisite: English 51-52, 71-72, or 91-92. Tues., Thurs., and Sat., 11:10 A.M.
- 166 *American Literature since 1912* (3) Baker  
Prerequisite: English 51-52, 71-72, or 91-92. Tues., Thurs., and Sat., 11:10 A.M.
- 167 *Contemporary British Drama* (2) Baker  
Significant plays and playwrights of the English stage since 1890.  
Summer Sessions 1940 (2)—daily except Sat., 11:30 A.M., six weeks' term.
- 171-72 *Studies in American Literature* (3-3) Bolwell, Cole  
Major factors in the national cultural tradition as shown by outstanding writers. Prerequisite: English 51-52 or 71-72. Mon., Wed., and Fri., 6:10 P.M.  
Summer Sessions 1940—English 172 (3), daily except Sat., 6:10 P.M., nine weeks' term (Bolwell).
- 175 *The American Drama* (3) Bolwell  
From the colonial period to the present day. Prerequisite: English 51-52 or 71-72. (Not offered in 1940-41.)

176. *The American Novel* (3) Bolwell  
Chronological development of fiction from the beginnings to the present day. (Not offered in 1940-41.)  
Summer Sessions 1940—daily except Sat., 5:10 P.M., nine weeks' term.
- 177-78 *Studies in American Biography and Literary Portraits* (3-3) K. Adams  
Mon., Wed., and Fri., 6:10 P.M.
- 179-80 *Proseminar: Readings for American Civilization Major* (3-3) Bolwell, Cole  
Conferences and group discussions. Wed., 8:00 P.M.
- 181-82 *The English Novel* (3-3) Baker  
Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 5:10 P.M.
- 183-84 *The English Drama* (3-3) Tupper  
Mon., Wed., and Fri., 6:10 P.M.
- 193 *An Introduction to the Study of Poetry* (2) Baker  
Sat., 9:10 to 11:00 A.M.  
Summer Sessions 1940 (2)—daily except Sat., 8:30 A.M., six weeks' term.
- 199-200 *Proseminar: Readings for English Literature Major* (3-3) Stone  
Conferences and group discussions. Hours to be arranged.

## THIRD GROUP

- 201-2 *Methods and Materials in Elizabethan Research* (3-3) J. Q. Adams  
Open only to graduate students. Admission by permission of the instructor. Mon., 7:30 P.M.
- 235-36 *Seminar in Shakespeare* (3-3) Tupper  
Prerequisite: English 135-36. Thurs., 7:30 P.M.
- 239-40 *Studies in Early-Seventeenth-Century Literature* (3-3) Baker  
Prerequisite: English 139-40. (Not offered in 1940-41.)
- 241-42 *Studies in Neoclassical Literature* (3-3) A. Smith  
Prerequisite: English 141-42. Wed., 8:00 P.M.
- 251-52 *Studies in the Romantic Movement* (3-3) A. Smith  
Prerequisite: English 151-52. (Not offered in 1940-41.)  
Summer Sessions 1940—English 252 (3), hours to be arranged, nine weeks' term.

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- 271-72 *Seminar: American Literature* (3-3) Bolwell  
Prerequisite: English 171-72 or the equivalent. Mon., 8:00 P.M.
- 295-96 *History of English Literary Criticism* (3-3) A. Smith  
Open to undergraduates with the approval of the instructor.  
Tues. and Thurs., 5:10 to 6:25 P.M.
- 299-300 *Thesis* (3-3) The Staff

## RELATED COURSE IN ANOTHER DEPARTMENT

Education 136, *Teaching of English*



## EXPERIMENTAL MEDICINE

Edward Bright Vedder, A.M., M.D., Sc.D., *Professor of Experimental Medicine, Executive Officer*

Pearl Holly, M.S., M.D., *Associate in Experimental Medicine*

235-36 *Clinical Microscopy*

Vedder, Holly

Lectures and laboratory work covering aspects of diagnosis, including the study of urinalysis, blood-counting, blood diseases, feces, spinal fluids, Wassermanns, and parasitology. Three hours a week beginning in January.

414 *Tropical Medicine (elective)*

Vedder, Holly

This course consists of didactic lectures and demonstrations of the more common tropical diseases, with emphasis on their practical application to general medical practice. One hour a week.

## GEOLOGY

Ray Smith Bassler, Ph.D., Sc.D., *Professor of Geology, Executive Officer*

*Minimum requirements for the major.*—Twenty-four semester-hours of Geology beyond the first-group courses.

### FIRST GROUP

#### 5 *Field Geology* (6)

Bassler

Field trips to neighboring localities of geological interest, with classroom study. (Not offered in 1940-41.)

Summer Sessions 1940—daily except Sat., 7:00 to 8:50 A.M., and Sat. afternoon.

#### 21-22 *Physical and Historical Geology* (3-3)

Bassler

Survey course covering the principles of physiography, geology, and mineralogy, introductory to all work in the Department. Mon., Wed., and Fri., 6:10 P.M. Field work—hours to be arranged.

### SECOND GROUP

#### 121-22 *Paleontology* (3-3)

Bassler

Lectures and laboratory work on classification and structure of fossil invertebrates, vertebrates, and plants, including their use as guide fossils in stratigraphic geology. Fri., 7:10 to 9:30 P.M., other hours to be arranged. (Offered in 1941-42 and alternate years.)

#### 123-24 *Regional Geology of North and South America* (3-3)

Bassler

Lectures and map work on the physiographic regions of the Western Hemisphere, stressing the relationship between geology and geography and culture. Mon., 7:10 to 9:30 P.M., other hours to be arranged. (Offered in 1941-42 and alternate years.)

#### 125-26 *Regional Geology of the Eastern Hemisphere* (3-3)

Bassler

Alternating with Geology 123-24 and with it completing a survey of the world. Mon., 7:10 to 9:30 P.M., other hours to be arranged.

### THIRD GROUP

#### 215-16 *Seminar* (3-3)

Bassler

Detailed study and presentation by the class and instructor of some phase of geology, with review of current literature.

Stratigraphy and advanced paleontology including micro-paleontology will be the subject of study for 1940-41, to be followed in succeeding years by mineralogy and economic geology. Wed., 7:10 to 9:30 P.M.

**227-28 Research**

**Bassler**

Original work on individual problems, including a digest of the published record. Hours and credits to be arranged.

**299-300 Thesis (3-3)**

**Bassler**



## GERMANIC LANGUAGES AND LITERATURES

Edward Henry Sehrt, Ph.D., *Professor of German, Executive Officer*

Gretchen Louisa Rogers, Ph.D., *Assistant Professor of German*

Wolfram Karl Legner, Ph.D., *Instructor in German*

*Minimum requirements for the major.*—Twenty-four semester-hours of German beyond first-group courses.

### FIRST GROUP

#### †1-2 *First-Year German* (3-3)

Rogers, Legner

The essentials of German grammar; translation of easy prose. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 9:10 A.M.; section C: Tues., Thurs., and Sat., 9:10 A.M.; section D: Mon., Wed., and Fri., 5:10 P.M.; section E: Mon., Wed., and Fri., 6:10 P.M.; section F: Mon., Wed., and Fri., 6:10 P.M.

Summer Sessions 1940 (3-3)—section A: daily except Sat., 9:30 to 11:20 A.M.; section B: daily except Sat., 6:10 to 8:00 P.M., nine weeks' term (Sehrt, Rogers).

#### †5-6 *Second-Year German* (3-3)

Rogers, Legner

Selections from modern German prose; review of grammar. Prerequisite: German 1-2 or two years of high school German. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Mon., Wed., and Fri., 6:10 P.M.

Summer Sessions 1940 (3-3)—daily except Sat., 6:10 to 8:00 P.M., nine weeks' term (Sehrt).

### SECOND GROUP

†101-2 *Rapid Readings in Modern German Prose* (3-3) Sehrt and Staff  
Section A: Wed. and Fri., 5:10 P.M.; section B: Wed. and Fri., 10:10 A.M. Third hour for sections A and B in prose composition or scientific readings to be arranged.

#### †103-4 *Goethe's "Faust"* (3-3)

Sehrt

Mon., Wed., and Fri., 6:10 P.M.

#### †105-6 *German Classicism* (3-3)

Sehrt

Particularly the works of Goethe and Schiller. Hours to be arranged.

- †107-8 *Advanced Prose Composition* (1-1) Rogers  
Section A: Mon., 7:10 P.M.; section B: Mon., 10:10 A.M.
- 109-10 *German Drama since 1800* (3-3) Sehrt  
Dramas of Kleist, Grillparzer, Hebbel, and Hauptmann. Hours to be arranged.
- †111-12 *The German Romantic Movement* (3-3) Sehrt  
Hours to be arranged.
- †113-14 *Scientific German* (1-1) Legner  
Prerequisite: German 5-6 or the equivalent. Section A: Mon., 7:10 P.M.; section B: Tues., 10:10 A.M.
- †119-20 *Survey of German Literature* (3-3) Sehrt  
Hours to be arranged.
- THIRD GROUP
- †201-2 *Middle High German* (3-3) Sehrt  
Hours to be arranged.
- †205-6 *Gothic* (3-3) Sehrt  
Introduction to the comparative study of the Germanic languages. Hours to be arranged.
- †209-10 *Old High German* (3-3) Sehrt  
Hours to be arranged.
- 213-14 *Old Norse* (3-3) Sehrt  
Hours to be arranged.
- 215 *The German "Novelle"* (3) Rogers  
Hours to be arranged.
- 218 *The German Lyric from Opitz to Rilke* (3) Legner  
Hours to be arranged.
- 221 *Introduction to Linguistics* Sehrt  
Admission by permission of the instructor. Hours and credits to be arranged.
- 222 *Indo-European Languages* Sehrt  
Application of the laws of sound change in language; origin and development of suffixes and inflections; syntax. Hours and credits to be arranged.
- †223-24 *Sanskrit* (3-3) Sehrt  
Introduction to comparative Indo-European grammar. Hours to be arranged.
- 299-300 *Thesis* (3-3) The Staff

## HEALTH ADMINISTRATION

Daniel LeRay Borden, A.M., M.D., *University Surgeon, Director*

Frank Adelbert Hornaday, M.S., M.D., *Consulting University Physician*

Robert Howe Harmon, A.B., M.D., *University Physician*

Ronald Atmore Cox, A.B., M.D., *Associate University Physician (Eye)*

Jeter Carroll Bradley, M.D., *Associate University Physician (Nose and Throat)*

Charles Seymour Coakley, M.D., *Associate University Physician*

Richard Bernard Castell, A.B., M.D., *Associate University Physician*

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—, M.D., *Associate University Physician*

The payment of the University fee entitles students to health services herein-after described. Through reports from the students and University officials, the University attempts to keep informed as to all cases of illness among its students. This service is primarily diagnostic in its intent. It also provides first aid in the event of an emergency.

Medical privileges include: (1) the physical examination of all students entering from secondary schools;\* (2) three visits by the University physician or surgeon, office or residence (District of Columbia) in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and nursing in the University Hospital for not more than two weeks during a school year—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not apply to illness or disability incurred previous to the University term or prior to payment of the University registration fee.

Students are allowed, if they so desire, to engage physicians and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) students who have severed their connection with the University are ineligible for medical benefits; (4) students intending to train for athletic teams are required to pass a thorough examination at the beginning of each semester; (5) the above regulations apply also during the Summer Sessions of the University.

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\* A charge of \$2 is made if a student fails to appear for a physical examination during the period set for this purpose.



## HISTORY

- Elmer Louis Kayser, Ph.D., *Professor of European History*  
 Lowell Joseph Ragatz, Ph.D., *Professor of European History*  
 Oliver Lyman Spaulding, A.M., LL.B., LL.D., Brigadier General, Retired, United States Army, *Professorial Lecturer on Military History*  
 Bernard Mayo, Ph.D., *Visiting Professorial Lecturer in History*  
 Alva Curtis Wilgus, Ph.D., *Associate Professor of Hispanic American History*  
 Wood Gray, Ph.D., *Associate Professor of American History, Executive Officer*  
 Howard Maxwell Merriman, Ph.D., *Assistant Professor of American Diplomatic History*  
 George Howland Cox, *Lecturer on Hispanic American History*

*The major.*—Prerequisite: History 39-40 and 71-72. The new-type major indicates a knowledge of four fields of history selected from the following list, attested by major examinations: (1) the literature and method of history (required); (2) backgrounds of the modern world, to 1500; (3) modern and contemporary Europe, since 1500; (4) diplomatic history and modern imperialism; (5) development of the United States; (6) Hispanic American civilization. A six-hour research seminar, exclusive of History 190-200, is a required part of each major's program to give training in fundamental techniques. For details of courses and readings offering preparation for the comprehensive examinations see the pamphlet on this subject or consult the adviser.

### FIRST GROUP

#### 39-40 *The Development of European Civilization* (3-3)

Kayser, Ragatz

First semester: the political, social, economic, and cultural history of the Old World from ancient times to 1500; second semester: from 1500 to the present. Primarily for freshmen. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.

Summer Sessions 1940—History 39 (3), daily except Sat., 11:30 A.M., nine weeks' term (Kayser); History 40 (3), daily except Sat., 8:30 A.M., nine weeks' term (Ragatz).

#### 71-72 *The Development of American Civilization* (3-3)

Gray, Merriman

A survey of the economic, social, political, and cultural forces and occurrences of the United States in their world setting.

First semester: the background of modern America, 1492-1865; second semester: the emergence and problems of modern America, 1865 to the present. Primarily for sophomores. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.

Summer Sessions 1940—History 71 (3), daily except Sat., 5:10 P.M., nine weeks' term (Gray); History 72 (3), daily except Sat., 6:10 P.M., nine weeks' term (Mayo).

#### SECOND GROUP

- 102 *Ancient History* (3) Kayser  
The civilization of the ancient Near East, Greece, and Rome. (Not offered in 1940-41.)
- 110 *The Civilization of the Later Middle Ages* (3) Kayser  
A study of the intellectual history of Europe in the twelfth and thirteenth centuries. (Not offered in 1940-41.)
- 120 *Intellectual Aspects of the Renaissance and Reformation* (3) Kayser  
A study of the cultural history of early modern Europe. (Not offered in 1940-41.)
- 130 *Nationalism* (3) Kayser  
The historical evolution of modern nationalism. Prerequisite: History 39-40. Tues. and Thurs., 6:10 to 7:25 P.M.  
Summer Sessions 1940 (2)—daily except Sat., 8:30 A.M., six weeks' term.
- 138 *Iberian Civilization* (2) Wilgus  
A survey of the civilization of Spain and Portugal. (Not offered in 1940-41.)
- 141-42 *The Diplomatic History of Europe* (3-3)  
A survey of international relations. Prerequisite: History 39-40. (Not offered in 1940-41.)
- 144 *Europe since 1914* (3) Ragatz  
The World War and its aftermath. Prerequisite: History 39-40 or 151-52. Mon., Wed., and Fri., 11:10 A.M.  
Summer Sessions 1940 (3)—daily except Sat., 7:30 A.M., nine weeks' term.

- 145 *Modern Imperialism* (3) Ragatz  
International rivalries in Africa, Asia, and the Pacific basin.  
Prerequisite: History 39-40 or 151-52. Mon., Wed., and Fri.,  
6:10 P.M.  
Summer Sessions 1940 (3)—daily except Sat., 5:10 P.M.,  
nine weeks' term.
- 147 *Economic History of Europe* (3) Ragatz  
A survey from ancient times to the present day. Prerequisite:  
History 39-40 or 151-52. Mon., Wed., and Fri., 11:10 A.M.
- 151-52 *English History* (3-3) Wilgus  
A general survey course with emphasis on the development of  
the British Constitution in its historical setting. Mon., Wed.,  
and Fri., 5:10 P.M.
- 161-62 *Hispanic American Civilization* (3-3) Wilgus  
A survey of the political, economic, social, and institutional  
affairs of the American colonies of Spain and Portugal in the  
Colonial Period (first semester) and in the Period of Inde-  
pendence (second semester). Mon., Wed., and Fri., 10:10 A.M.
- 163 *The Pan American Movement* (2) Wilgus  
A survey of the relations of the United States with Hispanic  
America, emphasizing especially Pan Americanism. (Not offered  
in 1940-41.)
- 166 *Hispanic American Constitutional History* (2) Wilgus  
A survey of the political institutions of the nations of Hispanic  
America since independence. (Not offered in 1940-41.)
- 167-68 *Current Latin American and Pan American Problems* (2-2) Cox  
A series of interpretive lectures on the social, cultural, commer-  
cial, financial, and political affairs of the three Americas. Open  
to students for credit. Open to the public by invitation twice  
each month. Guest speakers. Wed., 7:10 to 9:00 P.M.
- 169 *The Great States of Hispanic America* (2) Wilgus  
A survey of the history and civilization of Mexico, Argentina,  
Brazil, and Chile since independence. (Not offered in 1940-41.)
- 171-72 *Social History of the United States* (3-3) Gray  
The development of the mind and character of the American  
people as revealed in their daily life, institutions and relation-



ships, and intellectual and artistic achievements. First semester: the Agrarian Era, 1607-1861; second semester: the Urban-Industrial Era, 1861 to the present time. Prerequisite: History 71-72. Mon., Wed., and Fri., 5:10 P.M.

174 *Economic History of the United States* (3)

Gray

Main trends in the development of American agriculture, industry, and trade since 1607, with emphasis on tendencies and problems since the Civil War. (Offered in 1941-42 and alternate years.)

176 *Representative Americans: A Biographical Approach to National History* (3)

Gray

A study of some forty or fifty significant and pivotal personalities in the development of the United States in government, business, science, education, religion, journalism, the arts, and social reform, from 1636 to the present time. Prerequisite: History 71-72. Mon., Wed., and Fri., 9:10 A.M.

Summer Sessions 1940 (3)—daily except Sat., 6:10 P.M., nine weeks' term.

181-82 *Diplomatic History of the United States* (3-3)

Merriman

A survey of American diplomatic problems from the period of the American Revolution to the present, with special emphasis on tendencies toward isolation, expansion, and collectivism; on disputes with foreign countries and their settlement; and on the activities of American Secretaries of State and diplomatic agents. First semester: to the Civil War; second semester: since the Civil War. Prerequisite: History 39-40 or 71-72. Tues., Thurs., and Sat., 10:10 A.M.

183 *Overseas Expansion of the United States* (3)

Merriman

A survey of the political, economic, social, and cultural life of the Philippines, Hawaii, Samoa, Alaska, Cuba, Puerto Rico, Haiti, the Dominican Republic, Panama, and Nicaragua, with special stress on their relations with the United States. Prerequisite: History 71-72. Tues. and Thurs., 6:10 to 7:25 P.M.

185 *Canada and the United States* (3)

Merriman

The historical background and main trends in the relationship of the two English-speaking peoples of North America. (Offered in 1941-42 and alternate years.)

191-92 *Current History* (1-1)

Merriman

Contemporary events in their world setting. Sat., 11:10 A.M.

Summer Sessions 1940—History 191 (2) daily except Sat., 10:30 A.M., six weeks' term (Kayser, Mayo).

†199-200 *Proseminar: The Literature and Method of History* (3-3)

The Staff

First semester: a study of history and historians; second semester: supervised reading in preparation for the correlating examinations. Limited to majors in History. A reading knowledge of at least one modern foreign language is required. Mon., 8:00 to 10:00 P.M.

### THIRD GROUP

235-36 *The Intellectual History of Europe* (3-3) Kayser

Select readings and group discussion of the principal phases of the cultural history of Europe. For graduate students. Hours to be arranged.

†241-42 *Seminar in Modern European History* (3-3) Ragatz, Kayser  
International Conferences of the nineteenth and twentieth centuries. Prerequisite: History 39-40 or 151-52. Thurs., 8:00 to 10:00 P.M.

Summer Sessions 1940 (3)—Studies in the theory and practice of modern nationalism. Tues. and Thurs., 8:00 to 10:00 P.M., nine weeks' term (Kayser).

245-46 *The New Europe* (3-3) Ragatz

Select readings and group discussion of the transformation of Old World institutions since the late war. For graduate students. Hours to be arranged.

†261-62 *Seminar in Hispanic American History* (3-3) Wilgus  
A study of contemporary problems in Hispanic American affairs. Prerequisite: History 71-72 or 161-62. Thurs., 8:00 to 10:00 P.M.

265-66 *The Age of Dictators in Hispanic America* (3-3) Wilgus

Select readings and group discussion of selected Hispanic American executives. For graduate students. Hours to be arranged.

†271-72 *Seminar in the History of the United States* (3-3)  
Merriman, Gray

Sectional forces in American history. First semester: the West; second semester: the South. Prerequisite: History 71-72. Tues., 8:00 to 10:00 P.M.

275-76 *American Industrial Society* (3-3) Gray

Select readings and group discussion covering the leading phases of the economic and social growth of the United States. For graduate students. Hours to be arranged.

283-84 *Seminar: Military History of the United States* (3-3) Spaulding  
The background and development of the American military  
system; its personalities, and the technique of its operations.  
Thurs., 8:00 to 10:00 P.M.

299-300 *Thesis* (3-3) **The Staff**  
Required of all candidates for the master's degree specializing  
in History. Hours to be arranged.



## HOME ECONOMICS

Frances Kirkpatrick, A.M., *Associate Professor of Home Economics, Executive Officer*

Kathryn Mildred Towne, A.M., *Assistant Professor of Home Economics*

*Minimum requirements for the degree.*—See pages 141-42.

*Fees.*—For a statement of material fees, see page 20.

### FIRST GROUP

- 1 *Food Selection and Preparation* (3) Kirkpatrick  
Composition, selection, and preparation of food; factors involved in cooking; analyses of recipes; standard products; fundamental principles of planning, preparing, serving, and estimating the cost of single meals. Section A: Mon. and Wed., 1:40 to 4:30 P.M.; section B: Tues. and Thurs., 5:10 to 8:00 P.M.
- 22 *Clothing: Its Selection, Cost, and Care* (3) Towne  
Clothing selection—the economic, aesthetic, and hygienic aspects; the application of the principles of color and design to individual selection; the care of clothing. Mon., Wed., and Fri., 9:10 A.M.
- 51 *Family Meals* (3) Kirkpatrick  
The choice, purchase, preparation, and service of food; dietary standards, food habits, and the nutritional needs of the family; problems of purchasing, care and use of food by the consumer. Mon. and Wed., 11:10 A.M. Laboratory—Fri., 11:10 A.M. to 2:00 P.M.
- 52 *Food Problems* (3) Kirkpatrick  
Factors affecting the preparation of standard products from the experimental viewpoint; principles of food demonstrations. Mon. and Wed., 5:10 to 8:00 P.M.
- 54 *Family Health and Household Sanitation* (3) Kirkpatrick  
Home hygiene and home care of the sick; the principles of household sanitation in relation to health and disease. (Not offered in 1940-41.)

61 *Clothing Construction* (3)

Towne

Techniques of construction suitable for cotton, wool, and silk fabrics; the use of commercial patterns and their simple alteration; the proper selection of color, design, and fabric. Tues. and Thurs., 10:10 A.M. to 1:00 P.M.

Home Economics 61x—same as Home Economics 61, but offered second semester. Tues. and Thurs., 5:10 to 8:00 P.M.

70 *Costume Design and Fashion Economics* (3)

Towne

Factors determining fashions and their effects on the cost of clothing; present problems confronting the consumer of textiles and clothing; the textile and clothing industries; standardization of fabrics and legislation; a brief study of historic costume and its relation to modern dress. (Not offered in 1940-41.)

72 *Household Textiles* (3)

Towne

Study of standard fabrics from the standpoint of the consumer for the purpose of developing good judgment in buying clothing and house-furnishing materials; properties and uses of the different textile fibers and the study of fabrics. Lecture—Wed. and Fri., 1:40 P.M. Laboratory—Mon., 1:40 to 3:30 P.M.

## SECOND GROUP

102 *Advanced Food Preparation* (3)

Kirkpatrick

The application of the fundamental processes of food preparation to a wider range of food materials; practice in home cooking and fancy cooking; serving of formal and informal meals; refreshments for special functions. Tues. and Thurs., 10:10 A.M. to 1:00 P.M.

Home Economics 102x—same as Home Economics 102, but offered first semester. Mon. and Wed., 5:10 to 8:00 P.M.

123 *Household Finance and Problems of the Consumer* (3)

Towne

Economic problems of the family in modern industrial society; family income; income apportionment and household expenditures; laws affecting the home; investments; consumer buying. Tues. and Thurs., 5:10 to 6:30 P.M.

143 *Advanced Clothing Construction* (3)

Towne

Problems of clothing construction, including renovation, flat pattern designing. Mon. and Wed., 1:40 to 4:30 P.M.

- 152 *Nutrition and Dietetics* (3) Kirkpatrick  
Principles of normal and abnormal human nutrition; calculation and preparation of dietaries. (Not offered in 1940-41.)
- 164 *Child Nutrition* (3) Kirkpatrick  
Basic principles in nutrition and growth of the infant, pre-school and adolescent child in health and disease. Tues. and Thurs., 1:40 to 3:30 P.M.
- 171 *House Furnishing* (3) Towne  
Home planning and furnishing: historic, artistic, economic, and sanitary viewpoints; application of the principles of design and color to the problems of selection and arrangement of household furnishings; home furnishings such as linens, dishes, floor coverings, mattresses, etc. Mon. and Wed., 11:10 A.M. to 1:00 P.M.
- 192 *The Home, Its Management and Equipment* (3) Kirkpatrick  
Economical management of the home: distribution of time and energy; problems in the selection, arrangement, and care of equipment. Mon. and Wed., 11:10 A.M. to 12:00 M. Laboratory—Fri., 11:10 A.M. to 1:00 P.M.
- 195-96 *Special Problems* (3-3)  
Individual investigation and study under the guidance of a member of the staff. Program and conferences arranged with an instructor.
- 197-98 *Proseminar* (3-3) The Staff  
The study of the most recent materials and problems in the various phases of home economics. First semester—Thurs., 7:10 to 9:00 P.M.; second semester—Wed., 7:10 to 9:00 P.M.



## JOURNALISM

Marcelle LeMénager Lane, A.M., *Assistant Professor of Journalism,  
Executive Officer*

John William Thompson, Jr., A.B., *Lecturer in Journalism*

Merlo John Pusey, A.B., *Lecturer in Journalism*

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, *Lecturer in Journalism*

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, *Lecturer in Journalism*

### FIRST GROUP

- 11-12 *Journalism Survey* (3-3) Lane  
 History of journalism; survey of character and content of leading newspapers to develop intelligent reading necessary for future work in journalism; orientation in newspaper practice. Section A: Mon., Wed., and Fri., 10:10 A.M. Section B: Mon., Wed., and Fri., 5:10 P.M.

### SECOND GROUP

- 111-12 *Reporting* (3-3) Thompson  
 Techniques of newspaper reporting and copy reading; instruction and practice in modern methods of gathering and presenting news. Prerequisite: Journalism 11-12 or the equivalent. Mon. and Fri., 5:10 to 6:25 P.M.
- 113-14 *Advanced Reporting* (3-3) \_\_\_\_\_  
 Training in the coverage and presentation of national and international news; special consideration of the qualifications necessary for Washington correspondence and press-association reporting. Prerequisite: Journalism 111-12 or the equivalent. (Not offered in 1940-41.)
- 121-22 *Feature Writing* (3-3) Lane  
 Instruction and practice in the writing of special feature articles, material for which is obtained through independent investigation. Prerequisite: Journalism 111-12 or the equivalent. Thurs., 7:30 to 9:30 P.M.
- 141-42 *Advertising* (3-3) \_\_\_\_\_  
 The objectives and methods of advertising from its beginning to the present; training in the writing and selling of advertising as practiced in both newspaper and magazine fields. Tues. 7:30 to 9:30 P.M.

**151-52 Editorial Writing (3-3)****Pusey**

Current events from the standpoint of editorial interpretation; editorial research methods; instruction and practice in the writing of editorials, and columns on public affairs. Prerequisite: Journalism 111-12 or the equivalent. Mon., 7:30 to 9:30 P.M.

**171-72 The American Newspaper (3-3)****Lane**

Influences shaping the newspaper's content and attitudes; influence of the newspaper on public opinion. Readings, discussion, and written reports. Wed., 7:30 to 9:30 P.M.

## LAW

John Wilmer Latimer, LL.B., *Professor of Law*

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law,  
Executive Officer*

Charles Sager Collier, A.B., LL.B., S.J.D., *Professor of Law*

Hector Galloway Spaulding, B.S., LL.B., S.J.D., *Professor of Law*

Walter Lewis Moll, A.B., LL.B., S.J.D., *Professor of Law*

William Thomas Fryer, A.B., LL.B., J.D., *Professor of Law*

Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Professor of Law*

Loyd Hall Sutton, B.S., LL.B., *Adjunct Professor of Law*

Spencer Gordon, A.B., LL.B., *Adjunct Professor of Law*

Conway Peyton Coe, A.B., LL.B., *Adjunct Professor of Law*

Levi Russell Alden, A.M., LL.B., *Adjunct Professor of Law*

Gilbert Lewis Hall, A.B., LL.B., *Adjunct Professor of Law*

George Bowdoin Craighill, A.B., LL.B., *Adjunct Professor of Law*

James Ward Morris, A.B., *Adjunct Professor of Law*

Carville Dickinson Benson, Jr., A.B., LL.B., S.J.D., *Associate Professor  
of Law*

James Forrester Davison, A.B., LL.M., S.J.D., *Associate Professor of  
Law*

John Albert McIntire, A.B., LL.B., *Associate Professor of Law*

William Randall Compton, M.B.A., LL.B., S.J.D., *Associate Professor  
of Law*

Chester Charles Ward, B.S., LL.M., *Associate Professor of Law*

Clarence Altha Miller, LL.M., *Lecturer in Law*

James Oliver Murdock, Ph.B., LL.B., *Lecturer in Law*

James Robert Kirkland, A.B., LL.M., *Lecturer in Law*

James Albert Pike, A.B., LL.B., S.J.D., *Lecturer in Law*

Justin Lincoln Edgerton, A.B., LL.B., *Associate in Law, Clerk of the  
Moot Court*

## MOOT COURT OF APPEALS

George Francis Williams, LL.M., *Associate Justice*

Paul Edgar Lesh, LL.M., *Associate Justice*

*Minimum requirements for the degrees.—See pages 113-16.*



105-6 *Civil Procedure* (2-2)

Fryer, Pike

The function and composition of pleadings; the relation of pleadings to proof. Emphasis will be placed upon reforms of pleading, as exemplified by modern code provisions and court rules, including the new federal rules of procedure. Section A: Clark, *Cases on Pleading and Procedure*, 2d ed., 1940, Tues., 11:10 A.M., and Wed., 9:10 A.M.; section B: Pike, *Cases and Materials on Civil Procedure*, Tues., 5:10 to 7:00 P.M.

111-12 *Contracts I* (2-2)

McIntire, Ward

Promissory obligations covering the formalities of offer and acceptance, consideration, statute of frauds, formal instruments, rights of third parties, assignments, and joint obligations. Williston, *Cases on Contracts*, 4th ed., or Shepard's Revision of Costigan, *Cases on Contracts*. Section A: Fri., 11:10 A.M. to 1:00 P.M.; section B: Mon., 5:10 to 7:00 P.M.; section C: Tues., 5:10 to 7:00 P.M.

114 *Contracts I Special* (4)

Ward

Content same as Law 111-12. Mon. and Tues., 5:10 to 7:00 P.M.

123-24 *Criminal Law and Procedure* (2-2)

Compton, Kirkland

Criminal act and intent; motive; mistake; criminal negligence; statutory crimes; solicitation, attempt; assault and battery; mayhem; false imprisonment; homicide; rape; larceny and related offenses; burglary; arson; parties in crime; constitutional provisions; criminal procedure; evidence. Harbo, *Cases and Other Materials on Criminal Law and Procedure*. Section A: Thurs., 11:10 A.M. to 1:00 P.M.; section B: Thurs., 5:10 to 7:00 P.M.; section C: Wed., 5:10 to 7:00 P.M.

126 *Criminal Law Special* (4)

Kirkland

Content same as Law 123-24. Thurs. and Fri., 5:10 to 7:00 P.M.

129-30 *Judicial Process and the Use of Legal Materials* (2-2)

Benson

Introduction to the study of law; development of English courts, procedure, legal profession, and law books; organization of American courts and legal profession; use of law books; study of trial procedure. Benson and Fryer, *Readings on the Study of Law and the Anglo-American Legal System*; Arnold and James, *Cases on Trials, Judgments, and Appeals*. Section A: Mon., 9:10 A.M., and Wed., 10:10 A.M.; section B: Tues., 5:10 to 7:00 P.M.; section C: Mon., 5:10 to 7:00 P.M.

Summer Sessions 1940 (4)—daily except Sat., 5:10 to 7:00 P.M., first term.

133-34 *Property I (2-2)*

Fryer

Actions concerning chattels and documentary intangibles; the concepts of property, possession, and ownership; bailments; liens, pledges, fixtures, and emblements. Cases on Conversion, in Bohlen, Cases on Torts; Bigelow, Cases on Personal Property; Fryer, Readings on Personal Property, 3d ed., 1938. Section A: Tues. and Fri., 9:10 A.M.; section B: Fri., 5:10 to 7:00 P.M.; section C: Thurs., 5:10 to 7:00 P.M.

Summer Sessions 1940 (4)—daily except Sat., 5:10 to 7:00 P.M., second term.

137-38 *Property II (2-2)*

Spaulding

Real property; introduction; estates; seisin; landlord and tenant; future interests at common law and under the statutes of uses and wills; merger; elementary study of remoteness and powers; adverse possession; prescription; natural rights. Fraser, Cases on Property, vols. I and II. Section A: Wed., 12:10 P.M., and Thurs., 9:10 A.M.; section B: Wed., 5:10 to 7:00 P.M.

141-42 *Torts (2-2)*

Van Vleck, Ward

Civil liability for harms to legally protected interests. Topics include assault, battery, imprisonment, trespass, conversion, deceit, defamation, malicious prosecution, strict liability, negligence, affirmative duties, privilege, and legal causation. Section A: Beale's edition of Ames and Smith, Cases on Torts, Mon., 11:10 A.M. to 1:00 P.M.; Section B: Bohlen, Cases on Torts, Wed., 5:10 to 7:00 P.M.; Section C: Bohlen, Cases on Torts, Fri., 5:10 to 7:00 P.M.

202 *Agency (4)*

Problems of agency in the conduct of business; partnerships. (Not offered in 1940-41.)

Summer Sessions 1940 (4)—Mechem, Cases on Agency, 2d ed. by Seavey, daily except Sat., 5:10 to 7:00 P.M., second term (McIntire).

209-10 *Bills and Notes (2-2)*

Oppenheim

Bills of exchange, promissory notes and checks, especially under the Negotiable Instruments Law; form and inception; principles of negotiability; indorsements; holders in due course; banker-depositor relationships; liability of maker and acceptor, drawer and indorser; discharge. Britton, Cases on Bills and Notes, 2d ed. Section A: Mon., 11:10 A.M., and Wed., 9:10 A.M.; section B: Mon., 5:10 to 7:00 P.M.

**213-14 Constitutional Law I (2-2)****Collier**

Historical introduction to American constitutional law; judicial approach and methods in dealing with questions of constitutional law; nature of justiciable controversies; doctrine of the separation of powers; powers of the National Government separately considered; the federal system; relation of the state courts and the federal courts. Dodd, *Cases on Constitutional Law*, 2d ed., 1937. Section A: Tues. and Fri., 11:10 A.M.; section B: Tues., 5:10 to 7:00 P.M.

**221-22 Contracts II (2-2)****Moll**

Performance; conditions express and implied; effect of plaintiff's failure to perform his promise; impossibility; illegality; quasi-contractual recovery in contract cases. Williston, *Cases on Contracts*, 4th ed., and Thurston, *Cases on Restitution*. Section A: Mon. and Thurs., 12:10 P.M.; section B: Thurs., 5:10 to 7:00 P.M.

**231-32 Equity I (2-2)****Spaulding**

Specific performance of contracts; equitable conversion, rights of third parties; statute of frauds; part performance with compensation; mutuality; conditions; fraud; mistake, hardship; equitable servitudes; powers of a court of equity; effect and enforceability elsewhere of its decrees. Chafee and Simpson, *Cases on Equity*. Section A: Mon. and Fri., 9:10 A.M.; section B: Fri., 5:10 to 7:00 P.M.

**241-42 Evidence (2-2)****Latimer, Fryer**

Functions of court and jury; witnesses; hearsay, opinion and circumstantial evidence; proof of authenticity, and contents of writings. Section A: Morgan and Maguire, *Cases on Evidence*, Wed. and Thurs., 11:10 A.M.; section B: Hinton, *Cases on Evidence*, 2d ed., 1931, Mon., 5:10 to 7:00 P.M.

**251-52 Property III (2-2)****Benson**

Conveyances, rents, easements, profits, licenses, covenants running with the land, and recording; formation and revocation of wills; testate and intestate succession. Kirkwood, *Cases on Conveyances*; case book on wills to be announced. Section A: Tues. and Thurs., 9:10 A.M.; section B: Thurs., 5:10 to 7:00 P.M.

**261-62 Sales (2-2)**

Transfer of property rights to chattels in various types of sales; documents of title and financing; rights and remedies of seller and buyer as to price, security, warranties, and inspection; third



parties; effect of fraud; statute of frauds. Williston and McCurdy, *Cases on Sales*, 1932 ed. (Not offered in 1940-41.)

Summer Sessions 1940 (4)—daily except Sat., 5:10 to 7:00 P.M., first term (Oppenheim).

303-4 *Administrative Law I* (2-2)

Davison

Separation of powers of modern governments; legislative setting for administrative bodies; judicial control of administrative action, public utilities, taxation, alien laws, Federal Trade Commission, workmen's compensation, etc. Frankfurter and Davison, *Cases on Administrative Law*. Section A: Mon. and Tues., 11:10 A.M.; section B: Mon., 5:10 to 7:00 P.M.

311-12 *Business Associations I* (2-2)

Compton

Forms of associations used by modern industry, finance, and general business; legal requirements as to contributions of capital; powers and rights of corporations, corporate officials, and shareholders; meetings and other forms of joint action. Frey, *Cases on Business Associations*. Section A: Fri., 10:10 A.M. to 12:00 M.; section B: Fri., 5:10 to 7:00 P.M.

315-16 *Conflict of Laws* (2-2)

Van Vleck

Study of cases involving foreign elements; principles of jurisdiction and limitations upon its exercise; procedure, torts, workmen's compensation, contracts, property, family law, administration of estates, business associations. Cheatham, Dowling, and Goodrich, *Cases on Conflict of Laws*. Section A: Wed., 10:10 A.M. to 12:00 M.; section B: Thurs., 5:10 to 7:00 P.M.

Summer Sessions 1940 (4)—daily except Sat., 5:10 to 7:00 P.M., first term.

321-22 *Current Decisions* (2-2)

McIntire

Required of, and limited to, members of the student staff of the *Law Review*.

324 *Equity II* (2)

Spaulding

Equitable remedies in general; interpleader; bills of peace; removal of cloud; cancellation; reformation; mistake; injunctions against torts; defenses to specific relief. When given as a year course, it includes defamation and material on protection of public and social interests. Case book to be announced. Mon., 5:10 to 7:00 P.M.

326 *Federal Jurisdiction* (2)

Davison

Constitutional origins and powers of courts in the federal judicial system; sources of law applicable to disputes in federal

courts; business and extent of jurisdiction of federal courts. Frankfurter and Shulman, *Cases on Federal Jurisdiction*. Thurs., 5:10 to 7:00 P.M.

Summer Sessions 1940 (2)—Tues. and Fri., 5:10 to 7:00 P.M., Wed., 6:10 P.M., second term.

329 *Insurance* (2)

Current problems of insurance law in relation to insurance institutions and business practices, including historical development but emphasizing especially technical analysis of legal doctrines. Subjects include insurance carrier; interests protected by insurance; selection and control of risks; distribution of coverage. (Not offered in 1940-41.)

331 *Labor Law* (2)

Spaulding

Legality of collective action, of ends sought thereby and of means used in labor controversies; strike, picketing, boycott, union label, anti-union contracts, lockout, blacklist, trade agreements; limitations on labor injunctions; scope and validity of federal jurisdiction in labor controversies. Landis, *Cases on Labor Law* (with supplement) and supplementary material. Mon., 5:10 to 7:00 P.M.

334 *Legislation* (2)

Davison

A study of the problems and principles of legislation. Tues., 5:10 to 7:00 P.M.

335-36 *Moot Court* (2-2)

Latimer, Hall, Gordon, Craighill,  
Morris, Edgerton

Open only to students who have completed fifty semester-hours. Prerequisite: Law 105-6 and 241-42. Section A: Sat., 9:10 A.M. to 12:00 M.; section B: Wed., 5:10 to 7:00 P.M.

345-46 *Patent Law* (2-2)

Sutton

Substantive patent law: patents; conditions precedent to the grant; reissues; disclaimers; property rights in patents; state and federal regulation; enforcement of patents; Patent Office practice; analysis of the Rules of Practice and appeal and interference procedure. Mon., 5:10 to 7:00 P.M.

349-50 *Patent Moot Court* (2-2)

Coe

This course may be elected instead of Law 335-36 to satisfy the Moot Court requirement. Both subjects may not be counted toward a degree. Wed., 5:10 to 7:00 P.M.

352 *Persons and Domestic Relations* (2)

Forms of family organization; the contract to marry; marriage; husband and wife; parent and child; family disorganization without judicial decree; annulment; divorce and separation. Madden and Compton, *Cases on Domestic Relations*. (Not offered in 1940-41.)

Summer Sessions 1940 (4)—daily except Sat., 5:10 to 7:00 P.M., first term (Compton).

353 *Public Utilities* (2)

Davison

What businesses are affected with a public interest; limits of regulation of businesses affected with public interest; withdrawal from public service; ascertainment of value of property used for the public service and the fixing of adequate rates of return. Welch et al., *Cases on Public Utility Regulation*. Thurs., 5:10 to 7:00 P.M.

Summer Sessions 1940 (4)—Mon. and Thurs., 5:10 to 7:00 P.M., Wed., 5:10 P.M., second term.

363-64 *Security Transactions* (2-2)

Problems arising in connection with the creation of security interests in real and personal property, their transfer, enforcement, and extinguishment. The course will also deal with the more important problems in the field of suretyship and guaranty. Case book to be announced. (Not offered in 1940-41.)

371-72 *Taxation* (2-2)

Collier

Emphasis is placed on the federal estate tax and the federal income tax. Attention is paid also to state inheritance and income taxes. Problem of jurisdiction to tax, construction of tax statutes, methods of judicial review of administrative actions in the tax field, modern excise taxes on business concerns. Magill and Maguire, *Cases on Taxation*, 1936 ed. Section A: Thurs., 10:10 A.M. to 12:00 M.; section B: Fri., 5:10 to 7:00 P.M.

375-76 *Trade Regulation I* (2-2)

Oppenheim

Unfair trade practices, combination and monopoly at common law and under various statutes; trade-marks; business torts; Sherman Antitrust Act; Federal Trade Commission and Clayton Acts; marketing, price and patent practices; Fair Trade Acts; mergers; trade associations; remedies. Oppenheim, *Cases on Trade Regulation*. Section A: Wed. and Fri., 12:10 P.M.; section B: Thurs., 5:10 to 7:00 P.M.



381-82 *Trusts* (2-2)

Moll

Nature of a trust; creation of trust; elements of trust; charitable trusts; resulting and constructive trusts; administration of trusts; liabilities to third persons; transfer of interest of cestui que trust; persons bound by a trust; termination of a trust. Scott, *Cases on Trusts*, 3d ed. Section A: Mon. and Tues., 10:10 A.M.; section B: Wed., 5:10 to 7:00 P.M.

Summer Sessions 1940 (4)—daily except Sat., 5:10 to 7:00 P.M., second term.

403-4 *Administrative Law II* (2-2)

Davison

A research seminar course in special problems, including the study of specific administrative agencies, federal or state. Wed., 5:10 to 7:00 P.M.

405 *Admiralty* (2)

Alden

Federal and state jurisdiction; jurisdiction over waters, craft, contracts, torts, crimes, in equitable matters, etc.; laws applicable to maritime workers and maritime liens. Sayre, *Cases on the Law of Admiralty*. Wed., 5:10 to 7:00 P.M.

407 *Bankruptcy* (2)

Jurisdiction of subject matter, of persons; prerequisites to adjudication: in voluntary proceedings, in involuntary proceedings; administration; discharge; the amendments since 1933. Preparation of papers in bankruptcy proceedings. Case book to be announced. (Not offered in 1940-41.)

411-12 *Business Associations II* (2-2)

Compton

A seminar: promotion; corporate stock; corporate bonds; capitalization; sale of securities; syndicate underwriting; surplus and dividend policies; expansion; intercorporate relations; holding companies; failure; reorganization; public regulations. Preparation of articles of incorporation. Case book to be announced. Tues., 5:10 to 7:00 P.M.

421 *Constitutional Law II* (2)

Collier

A research seminar course in contemporary problems in constitutional law; special emphasis on interstate-commerce cases and due process of law. Mon., 5:10 to 7:00 P.M.

426 *Government Corporations* (2)

McIntire

A research seminar course in organization, powers, functions, and legal relations of functional governmental units separately incorporated. Fri., 5:10 to 7:00 P.M.

431-32 *International Law (2-2)*

Murdock

Decisions of national courts and international tribunals; national legislation and treaties to ascertain the nature, sources, substantive law, and judicial procedure applicable to the rights and duties of states, including a study of nationality laws. Hudson, *Cases on International Law*, 2d ed. Tues., 5:10 to 7:00 P.M.

434 *Interstate Commerce Commission Law and Procedure (2)*

Miller

Commerce clause of the Constitution as related to regulation of carriers; regulation of interstate rail carriers by the states; Interstate Commerce Act; the Interstate Commerce Commission; practice and procedure before the Commission; judicial review. Miller, *Cases and Materials on Interstate Commerce Commission Law and Procedure*. Wed., 5:10 to 7:00 P.M.

436 *Jurisprudence (2)*

Collier

History of jurisprudence schools of jurists, particularly the nineteenth century schools; sociological jurisprudence; theories of justice; the nature of law; law and morals; law and the state; the scope and subject matter of law; sources and forms of law; the traditional element; analysis of general legal conceptions. Mon., 5:10 to 7:00 P.M.

437 *Labor Relations Regulation (2)*

Ward

Law of relations between workers and management under the National Labor Relations Act as developed by the National Labor Relations Board and courts; specific principles governing collective bargaining, appropriate units, elections, interference with employee rights, discrimination, company unions, administrative remedies, and practice. Ward, *Cases on Labor Relations Regulation*. Tues., 5:10 to 7:00 P.M.

439 *Municipal Corporations (2)*

McIntire

Organization, powers, functions, and legal relations of local governmental units. Tooke and McIntire, *Cases on Municipal Corporations*. Fri., 5:10 to 7:00 P.M.

441-42 *Roman Law and Principles of the Civil Law (2-2)*

Moll

Historical introduction: sources and forms of the law; juristic acts; exercise and protection of rights; law of persons; law of property; law of obligations. Mimeographed materials. Tues., 5:10 to 7:00 P.M.

451-52 *Trade Regulation II (2-2)*

Oppenheim

A research seminar course in specific problems of trade regulation. Fri., 5:10 to 7:00 P.M.

## MATHEMATICS

James Henry Taylor, Ph.D., *Professor of Mathematics, Executive Officer*  
 Francis Edgar Johnston, Ph.D., *Professor of Mathematics*  
 Florence Marie Mears, Ph.D., *Associate Professor of Mathematics*  
 John William Wrench, Jr., Ph.D., *Instructor in Mathematics*

*Minimum requirements for the major.*—Fifteen semester-hours of Mathematics beyond Calculus, i.e., of approved second- and third-group courses.

### FIRST GROUP

7 *Solid Geometry* (2) The Staff  
 Prerequisite: one year each of high school Algebra and high school Geometry. Tues. and Thurs., 5:10 P.M.

11 *Introductory College Mathematics* (3) The Staff  
 Rectangular coordinates; trigonometric functions; trigonometric identities; exponents and logarithms; solution of triangles; linear equations; determinants of the third order; quadratic equations; the factor theorem and its use in equations of higher degree; mathematical induction and the binomial theorem; permutations and combinations; the complex-number system. Prerequisite: one year each of high school Algebra and high school Geometry. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Mon., Wed., and Fri., 5:10 P.M.; section E: Mon., Wed., and Fri., 6:10 P.M.

Mathematics 11x—same as Mathematics 11, but offered second semester. Section A: Tues., Thurs., and Sat., 11:10 A.M.; section B: Tues. and Thurs., 6:10 to 7:25 P.M.

12 *Plane Analytic Geometry* (3) The Staff  
 Prerequisite: Mathematics 11, or two years of high school Algebra, one year of high school Geometry, and one half-year of high school Trigonometry. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Mon., Wed., and Fri., 5:10 P.M.; section E: Mon., Wed., and Fri., 6:10 P.M.

Mathematics 12x—same as Mathematics 12, but offered first semester. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed.,



and Fri., 5:10 P.M.; section D: Mon., Wed., and Fri., 6:10 P.M.  
 Summer Sessions 1940 (3)—daily except Sat., 5:10 P.M., nine weeks' term (Mears).

- 19 *Differential Calculus* (3) The Staff  
 Prerequisite: Mathematics 12. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Tues. and Thurs., 6:10 to 7:25 P.M.; section C: Tues. and Thurs., 6:10 to 7:25 P.M.  
 Mathematics 19x—same as Mathematics 19, but offered second semester. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Mon., Wed., and Fri., 6:10 P.M.  
 Summer Sessions 1940 (3)—June 17–July 17, daily except Sat., 6:10 to 8:00 P.M. (Johnston).

- 20 *Integral Calculus* (3) The Staff  
 Prerequisite: Mathematics 19. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Tues. and Thurs., 6:10 to 7:25 P.M.; section C: Tues. and Thurs., 6:10 to 7:25 P.M.  
 Mathematics 20x—same as Mathematics 20, but offered first semester. Section A: Tues., Thurs., and Sat., 10:10 A.M.; section B: Tues. and Thurs., 6:10 to 7:25 P.M.  
 Summer Sessions 1940 (3)—July 18–August 16, daily except Sat., 6:10 to 8:00 P.M. (Johnston).

## SECOND GROUP

- 102 *Fundamental Concepts of Mathematics* (3) Wrench  
 Prerequisite: Mathematics 20. Mon., Wed., and Fri., 6:10 P.M.
- 123 *Theory of Equations* (3)  
 Prerequisite: Mathematics 20. (Not offered in 1940–41.)
- 125 *Advanced Algebra* (3)  
 Prerequisite: Mathematics 20. (Not offered in 1940–41.)
- 126 *Advanced Analytic Geometry* (3)  
 Prerequisite: Mathematics 20. (Not offered in 1940–41.)
- 132 *Differential Equations* (3) The Staff  
 Prerequisite: Mathematics 20. Section A: Tues., Thurs., and Sat., 10:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.  
 Summer Sessions 1940 (3)—daily except Sat., 6:10 P.M. (Mears).

- †135-36 *Projective Geometry* (2-2)  
Prerequisite: Mathematics 20. (Not offered in 1940-41.)
- 137-38 *Advanced Calculus* (2-2)  
Prerequisite: Mathematics 20. (Not offered in 1940-41.)
- 142x *Introduction to Infinite Series* (3) Mears  
Prerequisite: Mathematics 20. Offered first semester. Mon.,  
Wed., and Fri., 6:10 P.M.
- 167 *Fourier Series and Spherical Harmonics* (3)  
Prerequisite: Mathematics 132. (Not offered in 1940-41.)
- 171 *Vector Analysis* (3) Taylor  
Prerequisite: Mathematics 20. Mon., Wed., and Fri., 6:10 P.M.

THIRD GROUP

- 220 *Theory of Numbers* (3)  
(Not offered in 1940-41.)
- †237-38 *Theory of Functions* (3-3)  
(Not offered in 1940-41.)
- 249 *Ordinary Differential Equations* (3)  
(Not offered in 1940-41.)
- 250 *Integral Equations* (3)  
(Not offered in 1940-41.)
- †255-56 *Differential Geometry* (2-2) Taylor  
Tues. and Thurs., 5:10 P.M.
- †257-58 *Theory of Finite Groups* (2-2)  
(Not offered in 1940-41.)
- †265-66 *Modern Algebra* (3-3) Johnston  
Mon., Wed., and Fri., 5:10 P.M.
- †267-68 *Calculus of Variations* (2-2)  
(Not offered in 1940-41.)
- 270 *Tensor Analysis* (3) Taylor  
Prerequisite: Mathematics 171. Tues. and Thurs., 6:10 to  
7:25 P.M.
- 271 *Riemannian Geometry* (3)  
Prerequisite: Mathematics 255-56 and 270. (Not offered in  
1940-41.)

275 *Theory of the Potential* (3)

(Not offered in 1940-41.)

277 *Partial Differential Equations* (3)

(Not offered in 1940-41.)

297-98 *Reading and Research* (3-3)

Hours to be arranged.

The Staff

299-300 *Thesis* (3-3)

The Staff



## MECHANICAL ENGINEERING

Arthur Frederick Johnson, M.E., Ph.D., *Professor of Mechanical Engineering, Executive Officer*

Frederick Morris Feiker, B.S. in E.E., D.Eng., *Professor of Engineering Administration*

Benjamin Carpenter Cruickshanks, B.S. in M.E., *Associate Professor of Mechanical Engineering*

Howard Henry Koster, M.S. in M.E., *Assistant Professor of Mechanical Engineering*

George Franklin Bush, B.S. in M.E., *Instructor in Mechanical Engineering*

*Minimum requirements for the major*—See page 123.

*Fees*.—For a statement of laboratory and other fees, see page 21.

### FIRST GROUP

- 1 *Engineering Survey and Orientation* (2) The Staff  
Hours to be arranged.
- 3 *Mechanical Drawing* (2) Bush  
Section A (for students without previous drafting experience):  
Mon. and Fri., 1:40 to 4:30 P.M.; section B: Mon. and Fri.,  
7:30 to 10:30 P.M.
- 4 *Descriptive Geometry* (2) Bush  
Prerequisite: Solid Geometry. Section A: Mon. and Fri., 1:40  
to 4:30 P.M.; section B: Mon. and Fri., 7:30 to 10:30 P.M.
- 5 *Introductory Naval Architecture* (5) Johnson  
Nomenclature, functions, and arrangement of hull structure,  
equipment, and machinery for merchant vessels. Lectures sup-  
plemented by visits to shipyards. (Not offered in 1940-41.)  
Summer Sessions 1940 (5)—Mon. through Thurs., 5:10 to  
7:00 P.M.
- 7-8 *Machine Drawing* (2-2) Koster  
Prerequisite: Mechanical Engineering 4. Prerequisite or con-  
current registration: Mechanical Engineering 13-14. Section  
A: Mon. and Fri., 1:40 to 4:30 P.M.; section B: Mon. and Fri.,  
7:30 to 10:30 P.M.

- 9-10 *Ship Drafting* (2-2) Johnson  
Fairing of lines; displacement, stability curves, midship section, general arrangements and structural detail plans, machinery details. Prerequisite or concurrent registration: Mechanical Engineering 15 and 17. Tues. and Thurs., 7:30 P.M.
- 13-14 *Mechanism* (2-2) Bush  
Prerequisite: Mathematics 12. Prerequisite or concurrent registration: Mathematics 19 and 20. Section A: Tues. and Thurs., 12:10 P.M.; section B: Tues. and Thurs., 5:10 P.M.
- 15-16 *Elementary Ship Calculations* (2-2) Johnson  
Form characteristics, detailed weights, displacement, transverse and longitudinal equilibrium, launching. Prerequisite: Mechanical Engineering 5. Tues. and Thurs., 5:10 P.M.
- 17-18 *Marine Engines and Auxiliaries* (2-2) Johnson  
Details, arrangements and performance of steam uniflow, steam turbine, and Diesel propelling plants. Prerequisite or concurrent registration: Mechanical Engineering 5, 13-14, and 111-12. Tues. and Thurs., 6:10 P.M.

## SECOND GROUP

- 111-12 *Thermodynamics* (3-3) Cruickshanks  
Prerequisite or concurrent registration: Mathematics 20. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.
- 115-16 *Mechanical Laboratory* (2-2) Cruickshanks  
Calibration of instruments; calorimetry; testing of prime movers, auxiliaries, and combustion engines. Eight-hour boiler test required. Prerequisite: Mechanical Engineering 13-14 and 111-12. First semester—section A: Mon. and Fri., 1:40 P.M.; section B: Mon. and Fri., 7:30 P.M.; second semester—Mon. and Fri., 7:30 P.M.
- 126 *Methods of Manufacture* (2) Koster  
Fixtures, gauging, tools, costs. Prerequisite: Mechanical Engineering 8 and 14; Civil Engineering 25. Tues. and Thurs., 6:10 P.M.
- 127-28 *Machine Design* (2-2) Johnson  
With stress-analysis lectures. Prerequisite: Mechanical Engineering 112 and 126; Civil Engineering 25, 41, 132, and 134. Section A: Wed. and Fri., 1:40 to 4:30 P.M.; section B: Mon. and Fri., 7:30 to 10:30 P.M.

- 129-30 *Power Plants (3-3)* Cruickshanks  
Design, layout, installation, and operation of power plants and equipment. Prerequisite: Mechanical Engineering 112. Mon., Wed., and Fri., 5:10 P.M.
- 131 *Heating and Ventilating (2)* Koster  
Prerequisite: Mechanical Engineering 112. Tues. and Thurs., 5:10 P.M.
- 133 *Combustion Engines (2)* Bush  
Prerequisite: Mechanical Engineering 112; Civil Engineering 132 and 134; Electrical Engineering 10. Section A: Tues. and Thurs., 11:10 A.M.; section B: Tues. and Thurs., 6:10 P.M.
- 138 *Refrigeration (2)* Koster  
Prerequisite: Mechanical Engineering 111. Tues. and Thurs., 5:10 P.M.
- 139 *Fluid Dynamics (3)* Johnson  
The theories of hydro- and aero-mechanics as influenced by density, viscosity, and turbulence. Prerequisite: Mechanical Engineering 112; Civil Engineering 14. Mon., Wed., and Fri., 6:10 P.M.
- 140 *Dynamics of Machinery (3)* Johnson, Bush  
Inertia effects, balancing, vibration phenomena. Prerequisite: Mechanical Engineering 115; Civil Engineering 132 and 134. Mon., Wed., and Fri., 6:10 P.M.
- 141-42 *Management Problems (2-2)* Feiker  
Prerequisite: Economics 1-2. Tues. and Thurs., 5:10 P.M.



## MEDICINE

Walter Andrew Bloedorn, A.M., M.D., *Professor of Medicine, Executive Officer*

Coursen Baxter Conklin, A.M., M.D., *Clinical Professor of Medicine*

Charles Robert Lee Halley, A.B., M.D., *Clinical Professor of Medicine*

Paul Frederick Dickens, M.D., *Clinical Professor of Medicine*

Harry Filmore Dowling, A.B., M.D., *Clinical Professor of Medicine*

Charles Powell Cake, M.D., *Adjunct Clinical Professor of Medicine*

Albert Joseph Sullivan, B.S., M.D., *Adjunct Clinical Professor of Medicine*

Frank Adelbert Hornaday, M.S., M.D., *Assistant Professor of Medicine*

John Alton Reed, A.B., M.D., *Associate in Medicine*

Watson William Eldridge, Jr., M.D., *Associate in Medicine*

Herman Solomon Hoffman, A.B., M.D., *Associate in Medicine*

John Minor, A.B., M.D., *Associate in Medicine*

Maurice Protas, A.B., M.D., *Associate in Medicine*

Walter Kendall Myers, B.S., M.D., *Associate in Medicine*

Theodore Judson Abernethy, B.S., M.D., *Associate in Medicine*

Austin Brockenbrough Chinn, M.D., *Associate in Medicine*

Clayton Bernard Ethridge, M.D., *Associate in Medicine*

Stuart Oliver Foster, A.B., M.D., *Associate in Medicine*

Bernard Lauriston Hardin, Jr., A.B., M.D., *Associate in Medicine*

A. Fife Heath, M.D., *Associate in Medicine*

Elmer Wink Fugitt, M.D., *Associate in Medicine*

Bernard Walter Leonard, B.S., M.D., *Associate in Medicine*

Nicholas Athanasiou Mandelos, M.D., *Clinical Instructor in Medicine*

Leo T. Brown, M.D., *Clinical Instructor in Medicine*

Joseph Francis Elward, Phar.D., M.D., *Clinical Instructor in Radiology*

Richard Bernard Castell, A.B., M.D., *Clinical Instructor in Medicine*

George Paul Lemeschewsky, A.B., M.D., *Clinical Instructor in Medicine*

John Charles Reisinger, M.D., *Clinical Instructor in Medicine*

Luther Henry Snyder, A.B., M.D., *Clinical Instructor in Medicine*

Emil Herbert Bauersfeld, A.B., M.D., *Clinical Instructor in Medicine*

Charles Troll Carroll, A.B., M.D., *Clinical Instructor in Medicine*

William Heman Clements, A.B., M.D., *Clinical Instructor in Medicine*

John Ellsworth Everett, A.B., M.D., *Clinical Instructor in Medicine*  
 Paul Abraham Lichtman, M.D., *Clinical Instructor in Medicine*  
 John Bayne Marbury, M.D., *Clinical Instructor in Medicine*  
 Beveridge Miller, A.B., M.D., *Clinical Instructor in Medicine*  
 Gilbert Britt Rude, M.D., *Clinical Instructor in Medicine*  
 Benjamin Manchester, M.D., *Clinical Instructor in Medicine*  
 John Watkins Trenis, M.D., *Clinical Instructor in Medicine*

124 *Introductory Medical Clinics* Bloedorn and Staff  
 Part of a course on introductory medical and surgical clinics.

126 *History of Medicine* Halley  
 One hour a week.

241-42 *Physical Diagnosis* Conklin and Staff  
 Demonstrations and practice on the normal and abnormal subject; designed to cover the entire subject of physical diagnosis.

244 *General Medicine* Bloedorn, Halley  
 Lectures covering general aspects of all phases of medical disease, and including therapeutics. Three hours a week.

312 *Radiology and Radiotherapy* Elward  
 One hour a week.

323-24 *Clinical Physiology* Dickens  
 Lectures and clinics designed to promote the continuity of pre-clinical and laboratory study of physiology and its application to altered function as seen in the clinic; to link the laboratory to the clinic; and to teach the student to interpret the signs and symptoms of disease in terms of altered function. One hour a week.

325-26 *Clinical Clerkship* Halley, Dowling, and Staff  
 Individual case work under strict supervision (student's histories generally accepted as hospital records). Emergency and Gallinger hospitals.

327-28 *Clinical Pathological Conference* Bloedorn, Choisser  
 Correlation of clinical and post-mortem findings: detailed case descriptions from the clinical point of view, followed by thorough demonstrations, grossly and with lantern slides, of post-mortem findings. One hour a week.

- 417-18 *Physiotherapy* Eldridge  
Lectures and demonstrations of the fundamentals of physical treatment and their applications to general medical diseases. St. Elizabeths Hospital.
- 419 *Medical Jurisprudence* Eldridge  
Lectures on the legal and ethical rights of physicians, and on the legal problems with which the physician is brought into contact. One hour a week for eleven weeks.
- 421-22 *Dispensary Clinics* The Staff  
Thorough study of individual cases subsequently reviewed in detail by the Staff. The University and Emergency hospitals.
- 423 *Clinics* Bloedorn and Staff  
Discussion from the point of view of etiology, diagnosis, and treatment of the usual and more rare diseases, with special emphasis on differential diagnosis and the demonstration of clinical abnormalities found in various morbid processes. Medical School.
- 425-26 *Clinical Clerkship* Dickens and Staff  
Individual case work under strict supervision (student's histories generally accepted as hospital records). The University Hospital.
- 427-28 *Clinical Pathological Conference* Bloedorn, Choisser  
Same as Medicine 327-28.



## MILITARY SCIENCE AND TACTICS

Samuel Jay Turnbull, M.D., Colonel, Medical Corps, United States Army, *Professor of Military Science and Tactics*

129-30 *Basic Medical Course (elective)* Turnbull

The National Defense Act of the United States; the mission of the R.O.T.C.; military obligations of citizenship; organization of the Army of the United States; organization of the Medical Department of the Army; military courtesies and customs of the Army; leadership; military sanitation and first aid; map reading; supply and mess management. One hour a week.

247-48 *Combat Training (elective)* Turnbull

Tactics and technique of the separate arms; combat orders and solution of medical problems; service with medical detachments; organization and employment of the Medical Service; map-reading problems. One hour a week.

329-30 *Advanced Medical Course (elective)* Turnbull

Military preventive medicine (physical examinations, relation of food and water to disease, prevention and control of communicable disease); general administration as applied to the Army; Medical Department administration; defense against chemical warfare; medical aspects of chemical warfare; aerial photo reading. One hour a week.

429-30 *Advanced Medical Course (elective)* Turnbull

Military law, the law of military offenses; courts-martial; military hospitals; medical and surgical diseases peculiar to war; aviation medicine; the medical service of large forces including illustrative problems, duties, and relations of the medical service; rules of land warfare; the medical service of the corps; the medical service of a field force; Officers' Reserve Corps; property, emergency procurement, and funds. One hour a week.

## NEUROLOGY

Walter Freeman, Ph.D., M.D., *Professor of Neurology, Executive Officer*

James Winston Watts, B.S., M.D., *Associate Professor of Neurosurgery*

Hyman David Shapiro, M.D., *Associate in Neurology*

Alexander Simon, A.B., M.D., *Associate in Neurology*

Zigmond Meyer Lebensohn, B.S., M.D., *Clinical Instructor in Neurology*

### 249 *Neurology (elective)*

Freeman

Methods of study of the nervous system. Approach to an understanding of the function of the brain through gross and microscopic preparations, embryology, comparative anatomy, stimulation and extirpation, human pathology, etc. Laboratory demonstrations. One hour a week.

### 331 *Neurology*

Shapiro

Systematic lectures with lantern slides illustrating the chief neurologic syndromes and their anatomic bases. One hour a week for sixteen weeks.

### 333-34 *Neurology (elective)*

Freeman and Staff

Neurological out-patient clinic. Consultation of staff on ambulatory cases, demonstration of diagnostic procedures, disposition of neuropsychiatric cases. One hour a week.

### 431 *Neurosurgery (elective)*

Watts

Lectures and clinical demonstrations in surgery of the brain, spinal cord, and peripheral nerves. Emphasis is laid upon fundamentals and upon the possibilities of surgery in the relief of symptoms. One hour a week for sixteen weeks.

### 433-34 *Clinical Neurology*

Freeman

Lectures and demonstrations of patients illustrating the diagnosis and treatment of nervous disorders. The vast material of St. Elizabeths Hospital is drawn upon not only for the commoner disorders, but also for some of the unusual syndromes. One hour a week.

### 435-36 *Neurologic Examinations*

Freeman and Staff

Practical instruction in the examination of patients presenting nervous diseases. Each student is required to perform a detailed examination on six patients. St. Elizabeths Hospital. One-fourth of the class, two hours a week.

## OBSTETRICS AND GYNECOLOGY

- Howard Francis Kane, A.B., M.D., *Professor of Obstetrics and Gynecology, Executive Officer*
- Radford Brown, M.D., *Professor of Obstetrics and Gynecology*
- Elijah White Titus, Phar.D., M.D., *Clinical Professor of Obstetrics and Gynecology*
- Jacob Kotz, M.D., *Clinical Professor of Obstetrics and Gynecology*
- Henry Laurant Darner, A.B., M.D., *Clinical Professor of Obstetrics and Gynecology*
- John Louis Parks, M.S., M.D., *Adjunct Clinical Professor of Obstetrics and Gynecology*
- Herbert Percy Ramsey, A.B., M.D., *Assistant Professor of Obstetrics and Gynecology*
- William Preston Haynes, A.B., M.D., *Associate in Obstetrics and Gynecology*
- George Nordlinger, A.B., M.D., *Associate in Obstetrics and Gynecology*
- William Raymond Thomas, M.D., *Associate in Obstetrics and Gynecology*
- Joseph Harris, A.B., M.D., *Associate in Obstetrics and Gynecology*
- Laurence Lee Cockerille, M.D., *Associate in Obstetrics and Gynecology*
- Clayton Howard Hixson, M.D., *Associate in Obstetrics and Gynecology*
- Henry John Russell McNitt, B.S., M.D., *Associate in Obstetrics and Gynecology*
- Samuel Mayer Dodek, A.M., M.D., *Associate in Obstetrics and Gynecology*
- Bernard Notes, M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Helen Gladys Kain, B.S., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Esther Alsylvia Nathanson, A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Katherine Elizabeth Parker, A.M., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Harry Samuel Douglas, A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Howard Pope Parker, M.D., *Clinical Instructor in Obstetrics and Gynecology*



Roger O'Donnell, Jr., A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology*

William Dandridge Terrell, Jr., M.D., *Clinical Instructor in Obstetrics and Gynecology*

James Albert Dusbabek, M.D., *Clinical Instructor in Obstetrics and Gynecology*

Barton Winters Richwine, M.D., *Clinical Instructor in Obstetrics and Gynecology*

Floyd Sterling Rogers, Jr., M.D., *Clinical Instructor in Obstetrics and Gynecology*

254 *Pregnancy, Normal and Abnormal* Kane, Dodek, H. Parker  
Lectures and recitations on the physiology and management of pregnancy and its complications. One hour a week.

337 *Labor, Normal and Abnormal* Kane  
Lectures, recitations, and demonstrations on the mechanism and course of labor and its complications. Two hours a week.

339 *Principles and Practice of Gynecology* Brown  
Lectures and recitations on gynecology, medical and surgical. One hour a week.

340 *Gynecological Pathology* Brown  
Lectures on the essentials of gynecological pathology, and demonstrations and study of gross and microscopic material discussed in the lectures. One hour a week.

342 *Female Endocrinology* Kots  
Lectures on the physiology and pathology of the endocrine system in women. One hour a week for seven weeks.

344 *Operative Gynecology* Darner  
Lectures on the principles of gynecological surgery. One hour a week for seven weeks.

345-46 *Manikin Demonstrations* Harris  
The mechanism of labor and various types of operative delivery demonstrated to sections of the class throughout the year. One hour a week.

## OPHTHALMOLOGY

William Thornwall Davis, M.D., *Professor of Ophthalmology, Executive Officer*

Ernest Alfred Watson Sheppard, M.D.C.M., *Associate Professor of Ophthalmology*

George Victor Simpson, M.D., *Assistant Professor of Ophthalmology*

Edgar Leonard Goodman, M.D., M.M.S., *Associate in Ophthalmology*

Ronald Atmore Cox, A.B., M.D., *Associate in Ophthalmology*

### 351-52 *Ophthalmology*

Davis and Staff

A lecture course presenting the principles of ophthalmology, with special reference to topics of importance to the general practitioner. One hour a week for twenty weeks.

### 447 *Clinic*

Davis and Staff

Intensive training in diseases of the eye; etiology, diagnosis, and treatment in their application to clinical cases. Episcopal Hospital. Three hours twice a week.

## OTO-RHINO-LARYNGOLOGY

- Daniel Bruce Moffett, A.B., M.D., *Associate Professor of Oto-rhino-laryngology*
- William Herndon Jenkins, M.D., *Clinical Professor of Oto-rhino-laryngology*
- Leroy Lee Sawyer, Jr., A.B., M.D., *Assistant Professor of Oto-rhino-laryngology*
- David Davis, A.B., M.D., *Associate in Oto-rhino-laryngology*
- Don R. Johnson, LL.B., M.D., *Associate in Oto-rhino-laryngology*
- Aubrey David Fischer, M.D., *Clinical Instructor in Oto-rhino-laryngology*
- Jeter Carroll Bradley, M.D., *Clinical Instructor in Oto-rhino-laryngology*
- Lyman Brooke Tibbets, Phar.D., M.D., *Clinical Instructor in Oto-rhino-laryngology*
- Joel Norton Novick, M.S., M.D., *Clinical Instructor in Oto-rhino-laryngology*

- 451 *Oto-rhino-laryngology* Jenkins  
 Clinical lectures and demonstration of diseases of the ear, nose, and throat; bronchoscopy and esophagoscopy. One hour a week for eight weeks.
- 453 *Oto-rhino-laryngology* Moffett  
 Lectures on the anatomy, physiology, and diseases of the ear, nose, and throat. One hour a week for eight weeks.
- 454 *Bronchoscopy* Davis  
 A series of lectures on the fundamental principles and the use of instruments, including both the bronchoscope and esophagoscopy. One hour a week for ten weeks.
- 456 *Clinic* The Staff  
 Practical clinical instruction in the diagnosis and treatment of diseases of the ear, nose, and throat. Episcopal Hospital. One and one-half hours twice a week.



## PATHOLOGY

Roger Morrison Choisser, B.S., M.D., *Professor of Pathology, Executive Officer*

Thomas Martin Peery, A.B., M.D., *Assistant Professor of Pathology*

Elizabeth Mapelsden Ramsey, A.B., M.D., *Associate in Pathology*

Thelma Brumfield Dunn, A.B., M.D., *Clinical Instructor in Pathology*

### 259-60 *Pathology*

Choisser, Peery

A course covering inflammation, repair, degenerations, the effects of bacteria and animal parasites on the body, the effects of chemical and physical agents, the formation of new growths, etc., followed by special pathology of the organs and specific diseases. The laboratory work consists primarily of the gross and microscopic study of diseased tissues, including neoplasms. Necropsies performed by members of the staff are held regularly at the University and Gallinger hospitals; the clinicians and pathologists participate in the discussions and elucidation of the findings.

### 307 *Autopsy (elective)*

The Staff

Small groups of students are called from time to time to assist members of the staff in the performance of necropsies held at the University and Gallinger hospitals. Pathological conferences are held once a week, at which time fresh gross specimens and microscopic sections from each autopsy are presented and discussed by both students and members of the staff. Students are assigned in rotation to review current literature relating to cases presented.

### 327-28 *Clinical Pathological Conference*

Choisser, Bloedorn

Case histories are presented and discussed by members of the hospital staff. Autopsy and clinical findings are compared, and specimens are demonstrated and examined by all present. One hour a week.

### 427-28 *Clinical Pathological Conference*

Choisser, Bloedorn

The content of this course is the same as that of Pathology 327-28.

### 460 *Research*

Choisser

Hours and credits to be arranged.

## PEDIATRICS

Harry Hampton Donnally, A.M., M.D., *Professor of Pediatrics, Executive Officer*

Preston Alexander McLendon, B.S., M.D., *Clinical Professor of Pediatrics*

Charles Aurelius Schutz, M.D., *Clinical Professor of Pediatrics*

Margaret Mary Nicholson, A.B., M.D., *Clinical Professor of Pediatrics*

Lewis Kaigler Sweet, A.B., M.D., *Adjunct Clinical Professor of Pediatrics*

Edward Lewis, M.D., *Assistant Professor of Pediatrics*

Elizabeth Emery Chickering, A.B., M.D., *Associate in Pediatrics*

Aaron Nimetz, A.B., M.D., *Associate in Pediatrics*

William Staton Anderson, A.B., M.D., *Associate in Pediatrics*

Mabel Harlakenden Grosvenor, A.B., M.D., *Associate in Pediatrics*

Reginald Henry Mitchell, M.D., *Clinical Instructor in Pediatrics*

John Howell Peacock, B.S., M.D., *Clinical Instructor in Pediatrics*

### 355 *Pediatrics*

Schutz

A course of lectures on diseases and malformations of the newly born. Growth (mental and physical), metabolism, nutrition, nutritional diseases, therapeutics, habits, preventive pediatrics, and social aspects are considered. One and one-half hours a week.

### 357-58 *Clinic*

Peacock

Clinical instruction in the care and diseases of the newly born, congenital malformations, birth injuries, and prematurity. Gallinger Hospital. One fourth of the class, one hour a week.

### 359-60 *Contagious-Disease Clinic*

Grosvenor, Mitchell

Bedside instruction in scarlet fever, diphtheria, etc. Gallinger Hospital. One fourth of the class, one hour a week. Ward walks twice a week.

### 463-64 *Child-Welfare and Preventive Clinic*

Schutz

Clinical course in the infant and the pre-school child. Children's Hospital, Child Welfare Center. One section, one hour a week.

465-66 *Clinic*

Lewis, Nicholson, Chickering,  
Nimetz, Anderson, Grosvenor

Clinical course in the out-patient department, including minor to serious disorders of children. This course will deal with the emotional life of the child, his habit formations, and his behavior problems. Children's Hospital. One section, Mon., Tues., Wed., and Fri., one and one-half hours.

467-68 *Clinic*

Donnally

Teaching clinic. Children's Hospital. Entire class, one and one-fourth hours a week.

469-70 *Clinical Clerkship*

Donnally, McLendon, Nicholson,  
Nimetz, Chickering, Anderson, Grosvenor

Ward walks, physical diagnosis in children, special pediatric procedures, bedside instruction in contagious diseases, individual isolation, clinical laboratory and necropsy instruction, diagnosis and treatment of urgent cases. Children's Hospital. One-fourth of the class, Mon., Tues., Wed., and Fri., 9:30 A.M. to 4:30 P.M.

471-72 *Allergy Clinic*

Donnally

Prerequisite: Bacteriology 209. Practical work in the Allergy Clinic of Children's Hospital may be obtained by a small group of senior students. Two afternoons a week.



## PHARMACOLOGY AND THERAPEUTICS

George Byron Roth, A.B., M.D., *Professor of Pharmacology, Executive Officer*

Edgar William Ligon, Jr., Ph.D., *Instructor in Pharmacology*

263 *Pharmacology*

Roth and Staff

This course consists of laboratory instruction covering both the chemical nature and the biological effects of drugs. Five hours a week.

265 *Pharmacology*

Roth

A didactic course, supplemented by demonstration, which correlates the most prominent facts relating to the more important therapeutic agents, special consideration being given to the drugs found in the *United States Pharmacopoeia* and *New and Nonofficial Remedies*. Three hours a week.

267 *Pharmacology Conference*  
One hour a week.

Roth and Staff

269 *Prescription Writing*

Roth

Sixteen one-hour conferences on the form of the prescription, with practical exercises.

362 *Research*

Roth and Staff

Hours and credits to be arranged.

## PHARMACY

- William Paul Briggs, M.S., *Professor of Pharmacy, Executive Officer*  
Charles Owens Wilson, Ph.D., *Assistant Professor of Pharmaceutical Chemistry*  
Lea Gene Gramling, Ph.D., *Assistant Professor of Pharmacology and Pharmacognosy*  
Lloyd Walter Hazleton, Ph.D., *Assistant Professor of Pharmacy*  
Asa Vernon Burdine, *Lecturer on Pharmaceutical Economics*  
Leopold Henry Forster, Phar.G., *Instructor in Hospital Pharmacy*

### SEMINAR LECTURERS

- James Johnson Durrett, M.D., *Professorial Lecturer on Drug Control*  
Evander Francis Kelly, Phar.D., Sc.D., *Professorial Lecturer on Pharmaceutical Organizations*  
Carson Peter Frailey, Phar.D., *Professorial Lecturer on Industrial Pharmacy*  
Frederick John Cullen, Phar.G., M.D., *Professorial Lecturer on Drug Manufacture*  
Warren Fales Draper, A.B., M.D., *Professorial Lecturer on Public Health*  
Harrison Estell Howe, Sc.D., LL.D., D.Eng., *Professorial Lecturer on Scientific Literature*  
Albert Walton Kenner, Phar.D., M.D., *Professorial Lecturer on Military Pharmacy*  
Robert Lee Swain, Phar.D., LL.B., *Professorial Lecturer on Contemporary Pharmacy*  
James Albert Horton, LL.B., *Professorial Lecturer on Drug Trade Regulations*  
Justin Lawrence Powers, Ph.D., *Professorial Lecturer on Official Drug Standards*  
John Christian Krantz, Jr., Ph.D., *Professorial Lecturer on Pharmaceutical Research*  
George Clemens Ruhland, M.D., *Professorial Lecturer on Hygiene and Sanitation*

*Minimum requirements for the degree.—See pages 131–33.*

*Fees.—For a statement of laboratory fees and deposits, see page 21.*

## FIRST GROUP

- 1-2 *Principles of Pharmacy* (2-2) Wilson  
Pharmaceutical mathematics and fundamental laboratory technique. Mon., 9:10 A.M. Laboratory—Tues., 1:40 to 4:30 P.M.
- 21-22 *Operative Pharmacy* (4-4) Briggs  
The theory and manufacture of pharmacopoeial and formulary preparations. First semester: Mon. and Wed., 11:10 A.M. Laboratory—Wed. and Fri., 1:40 to 4:30 P.M. Second semester: Tues. and Thurs., 10:10 A.M. Laboratory—Wed. and Fri., 1:40 to 4:30 P.M.
- 23-24 *Pharmacognosy* (3-3) Gramling  
Macroscopic and microscopic. Prerequisite: Botany 1. Wed. and Fri., 9:10 A.M. Laboratory—Mon., 1:40 to 4:30 P.M.

## SECOND GROUP

- 102 *Dispensing Pharmacy* (4) Briggs  
Compounding of typical prescriptions and a study of incompatibilities. Prerequisite: Pharmacy 2 and 22. Mon. and Wed., 10:10 A.M. Laboratory—Mon. and Thurs., 1:40 to 4:30 P.M.
- 103 *Dispensing Pharmacy* (4) Briggs  
Continuation of Pharmacy 102. Tues. and Thurs., 11:10 A.M. Laboratory—Mon. and Thurs., 1:40 to 4:30 P.M.
- 105-6 *Pharmacology I* (2-2) Gramling  
Uses of official and new nonofficial drugs; biologicals, glandular products, first aid, and medical requisites. Mon. and Wed., 11:10 A.M.
- 108 *History of Pharmacy* (1) Briggs  
Wed., 12:50 P.M.
- 109 *Organic Pharmaceutical Chemistry* (3) Wilson  
Preparation and qualitative testing of the official organic chemicals and chemical preparations. Prerequisite: Chemistry 152. Tues., 11:10 A.M. and Fri., 9:10 A.M. Laboratory—Mon., 1:40 to 4:30 P.M.
- 110 *Inorganic Pharmaceutical Chemistry* (3) Wilson  
Preparation and qualitative testing of the official inorganic chemicals and chemical preparations. Prerequisite: Chemistry 21. Wed., 10:10 A.M., and Fri., 11:10 A.M. Laboratory—Wed., 1:40 to 4:30 P.M.



- 151 *Advanced Pharmacognosy* (2) Gramling  
Microscopical. Prerequisite: Pharmacy 24. Mon., 9:10 A.M.  
Laboratory—Fri., 1:40 to 4:30 P.M.
- 165-66 *Pharmacology II* (3-3) Gramling  
Pharmacodynamics, toxicology, and biological assays. Pre-  
requisite: Pharmacy 24 and 106; Physiology 115. First semes-  
ter: Tues. and Thurs., 9:10 A.M., and Fri., 11:10 A.M.; second  
semester: Tues. and Thurs., 9:10 A.M. Laboratory—Thurs.,  
1:40 to 4:30 P.M.
- 172 *Advanced Dispensing Pharmacy* (2) Briggs  
The equipment and management of professional pharmacies and  
advanced dispensing. Prerequisite: Pharmacy 103. Thurs.,  
10:10 A.M. Laboratory—Mon., 1:40 to 4:30 P.M.
- 173 *Quantitative Pharmaceutical Analysis* (4) Wilson  
Principles and application of analytical techniques. Prerequi-  
site: Pharmacy 22, 109, 110. Tues. and Thurs., 11:10 A.M.  
Laboratory—Wed. and Fri., 1:40 to 4:30 P.M.
- 174 *Quantitative Pharmaceutical Analysis* (4) Wilson  
Drug analysis. Prerequisite: Pharmacy 173 or Chemistry 121.  
Tues. and Thurs., 11:10 A.M. Laboratory—Tues. and Fri.,  
1:40 to 4:30 P.M.
- 176 *Pharmaceutical Law* (1)  
Fri., 9:10 A.M.
- 178 *Pharmaceutical Economics* (2) Burdine  
Fri., 10:10 A.M. to 12:00 M.
- 184 *Advanced Pharmacology* (2) Gramling  
Advanced biologicals and glandular products. Prerequisite:  
Pharmacy 106. Prerequisite or concurrent registration:  
Pharmacy 166. Tues. and Thurs., 10:10 A.M.
- 186 *Pharmaceutical Chemistry* (2) Wilson  
Organic medicinals. Prerequisite: Pharmacy 109. Tues. and  
Thurs., 10:10 A.M.
- 187-88 *Seminar* (1-1) The Seminar Staff  
A symposium covering the various phases of pharmacy. Fri.,  
10:10 A.M.
- 192 *Prescription Practice* (no credit) Forster  
The compounding of prescriptions and manufacture of medicinal  
preparations in the University Hospital Pharmacy. Required  
of seniors.

## PHILOSOPHY

Christopher Browne Garnett, Jr., Ph.D., Litt.D., *Associate Professor of Philosophy, Executive Officer*

*The major*.—The major in philosophy is administered under the new plan, which includes a written major examination in philosophy in the last year. For further details, see the pamphlet on this subject or consult the adviser.

### SECOND GROUP

- 103 *Principles of Philosophy* (3) Garnett  
 A survey of the problems and theories of philosophy. Mon., Wed., and Fri., 9:10 A.M.  
 Summer Sessions 1940 (3)—daily except Sat., 6:10 P.M., nine weeks' term.
- 111-12 *History of Philosophy* (3-3) Garnett  
 An historical survey of the large periods and the main philosophers in the Orient and the Western world. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 6:10 P.M.
- 122 *Logic* (3) Garnett  
 A critical study of deductive logic, induction, and the application of the principles of reflective thought in the natural and social sciences. Mon., Wed., and Fri., 5:10 P.M.
- 132 *Ethics* (3) Garnett  
 A study of wisdom in conduct in personal and group life. Mon., Wed., and Fri., 9:10 A.M.  
 Summer Sessions 1940 (2)—daily except Sat., 8:30 A.M., six weeks' term.
- 141 *Contemporary American Philosophy* (3) Garnett  
 A comparative study of the general philosophies of Dewey, Perry, Pratt, Stace, Whitehead, Santayana, and Fite. Mon., Wed., and Fri., 5:10 P.M. (Offered in 1940-41 and alternate years.)
- 151 *Problems in the Philosophy of the Sixteenth and Seventeenth Centuries* (3) Garnett  
 A comparative study of the general philosophies of Bruno, Bacon, Descartes, Malebranche, Spinoza, Leibniz, and Newton. (Offered in 1941-42 and alternate years.)

155-56 *Philosophical Movements in the Eighteenth Century* (3-3)

Garnett

A study of the general culture of the Enlightenment with special emphasis upon science, art, literature, religion, and politics. Ability to read French and German is desirable. (Not offered in 1940-41.)

199-200 *Proseminar: Readings for the Major* (3-3)

Garnett

Hours to be arranged.

THIRD GROUP

221-22 *Research* (3-3)

Garnett

Special problems in philosophy. Hours to be arranged.

299-300 *Thesis* (3-3)

Garnett



## PHYSICAL EDUCATION FOR MEN

James Ebenezer Pixlee, B.S., *Professor of Physical Education for Men*  
Claud Max Farrington, A.M., *Professor of Physical Education for Men*  
*Executive Officer*

William Henry Myers, A.B., *Assistant Professor of Physical Education for Men*

Bernath Eugene Phillips, A.M., *Assistant Professor of Physical Education for Men*

This Department includes all the recognized athletic activities of the men students of the University.

A minimum of four semester-hours of Physical Education is required for graduation and is compulsory for all freshman and sophomore men except for those exempt under the regulations stated on pages 37-38.

Upon entering the University, all freshmen or other undergraduate students who have not fulfilled the Physical Education requirement are given a medical examination. Assignments for medical examination will be given at the time of registration. The students who satisfy the requirements of this examination are immediately given a physical-efficiency test of general bodily skills. All other students are assigned activities according to their individual needs. If the physical-efficiency test is passed satisfactorily, the student may elect his activity from the following lists:

### *Group A*

Badminton  
Golf  
Gymnastics  
Handball  
Swimming  
Tennis  
Tumbling

### *Group B*

Basketball  
Softball  
Speedball  
Touch Football  
Volleyball

Two semesters of activity must be from Group A and two semesters of activity from Group B unless a substitution is approved by the Department. If the physical-efficiency test is not passed, the student is assigned to individual exercise.

The Department furnishes gymnasium uniforms and personal equipment upon a small payment.

*Minimum requirements for the Dual-Major Teacher's Course.*—See page 142.

*Minimum requirements for the Single-Major Teacher's Course.*—See page 142.

*Minimum requirements for the minor.*—Prerequisite: Physical Education 42, 43, 44, 45, 46 (all of these courses may be satisfied by examination), 47, 50, 58. Required: twelve semester-hours of second- or third-group courses in Physical Education, including 101, 102, 105, and 106, and four semester-hours of activity Physical Education.

*Fees.*—For a statement of locker and towel fees, see page 21.

## FIRST GROUP

- 1-2 *Freshman Physical Education (1-1)* The Staff  
Two periods of supervised activity a week. Assignment for activities and hours to be arranged with the Department of Physical Education.
- 9-10 *Sophomore Physical Education (1-1)* The Staff  
Two periods of supervised activity a week. Assignment for activities and hours to be arranged with the Department of Physical Education.
- 42 *Aquatic Sports, First Aid, and Lifesaving (2)* Farrington  
Fri., 1:00 to 3:00 P.M.
- 43-44 *Techniques of Indoor and Outdoor Activities for Freshmen (2-2)* Phillips  
A critical survey of the fundamental skills, rules, organization, appreciations, and attitudes in these activities. Mon. and Wed., 1:40 to 3:30 P.M.
- 45-46 *Techniques of Indoor and Outdoor Activities for Sophomores (2-2)* Phillips  
Tues. and Thurs., 1:40 to 3:30 P.M.
- 47 *Introduction to Physical Education (2)* Myers  
An orientation course presenting in elementary form the problems of physical education, vocational analysis, historical implication, scientific foundations, and scope of field. Tues. and Thurs., 8:10 A.M.  
Summer Sessions 1940 (2)—June 17-July 30—daily except Sat., 7:30 A.M.
- 48 *Fundamentals and Nature of Play (2)* Phillips  
Critical study of the theory of play; study of the play activities of childhood and youth; types of recreation; playground activities. Tues. and Thurs., 8:10 A.M.
- 49 *Introduction to Methods in Physical Education (2)* Phillips  
Essential facts of education, psychology, and sociology, with special reference to the problem of method in physical education. Prerequisite: Psychology 1 and 22; Sociology 27 and 28. Tues. and Thurs., 1:40 P.M.
- 50 *Beginning Anatomy and History of Hygiene (3)* Myers  
Relationship of anatomy to physical education; fundamentals of health; elementary physiological functioning of the body;

evolution of hygiene from the primitive through the medieval to the modern period. Prerequisite: Zoology 1-2. Mon., Wed., and Fri., 1:40 P.M.

- 58 *First Aid and Care of Athletic Injuries* (2) The Staff  
Prevention and emergency care of injuries of all types, with special reference to first aid, bandaging, and massage. A practical course for the advanced student. Prerequisite: Physical Education 50; Zoology 1-2. Tues. and Thurs., 1:40 P.M.

#### SECOND GROUP

- 101 *Principles of Physical Education* (2) Myers  
The interpretation of objectives of physical-education activities under leadership, in terms of development, adjustment, and standards. Prerequisite: Physical Education 47. Mon. and Wed., 9:10 A.M.
- 102 *Administration and Organization of Physical Education* (2) Farrington  
An introduction to the problems in the administration of physical education in all institutions supporting physical education; the administration of a unified program; a study of physical-education plants, athletic fields, and equipment. Prerequisite: Physical Education 47. Tues. and Thurs., 9:10 A.M.
- 103 *Applied Anatomy and Physiology* (3) Myers  
A discussion of the anatomical and physiological effects of physical-education activity. Prerequisite: Physical Education 50; Zoology 1-2. Mon., Wed., and Fri., 1:40 P.M.
- 105-6 *Directed Teaching in Physical Education Activities* (2-2) Farrington  
Practical demonstration of teaching procedures in adapting these activities to the various problems in the secondary school organization. Prerequisite: a minimum of twelve semester-hours in Physical Education. Hours to be arranged.
- 107-8 *Methods in Major Sport Activities* (2-2) The Staff  
A study of teaching procedures in adapting major sport activities to the several age-period groups and to individual differences existing in the secondary school organization. Prerequisite: demonstration of a fair degree of skill in these various activities; Physical Education 49. First semester: Tues. and Thurs., 9:10 A.M.; second semester: Tues. and Thurs., 11:10 A.M.



- 109-10 *Methods in Minor Sport Activities* (2-2) The Staff  
A study of the scientific procedures in adapting these various activities to a secondary school physical-education program. Prerequisite: demonstration of a fair degree of skill in these various activities. First semester: Tues. and Thurs., 11:10 A.M.; second semester: Tues. and Thurs., 9:10 A.M.
- 111 *Leadership Organization in the Intramural Program* (2) Farrington  
A course dealing with the principles of administration, organization, and supervision of intramural activities in the physical-education program of the junior high schools, senior high schools, and colleges. Prerequisite: Physical Education 47 and 49. Mon. and Wed., 1:40 P.M.  
Physical Education 111x—same as Physical Education 111, but offered second semester. Mon. and Wed., 1:40 P.M.
- 112 *Methods in Health Education* (3) Myers  
Study of the principles involved in the teaching of health at different age levels. Prerequisite: Physical Education 50; Zoology 1-2. Mon., Wed., and Fri., 9:10 A.M.
- 113 *Psychological Analysis of Activities* (2) The Staff  
A detailed analysis of the mental processes during participation in physical-education activities. Prerequisite: Psychology 1 and 22. Tues. and Thurs., 11:10 A.M.
- 116 *Community and Personal Hygiene* (2) Phillips  
Application of principles of health to community and personal life; sources of material for general health knowledge. Prerequisite: Physical Education 50; Zoology 1-2. Tues. and Thurs., 1:40 P.M.
- 117 *Kinesiology of Sports for the Physically Handicapped* (3) Phillips  
Methods employed in the teaching of body mechanics which are adapted to the prevention and correction of physical disabilities. Prerequisite: Physical Education 50 and 103; Zoology 1-2. Mon., Wed., and Fri., 10:10 A.M.
- 118 *Tests and Measurements in Physical Education* (3) Myers  
A critical study of achievement tests in physical education; statistical methods; methods of constructing achievement tests. Prerequisite: Physical Education 47. Mon., Wed., and Fri., 10:10 A.M.

- 133-34 *Observation and Practice Teaching* (3-3) Myers  
Required of all major students in the junior or senior year. Assignments are made to schools in Washington, D. C., and vicinity. Prerequisite: Education 131. Hours to be arranged.

- 141-42 *Administration of Community Recreational Programs* (2-2) Farrington, Phillips  
The administrative organization of camps, community centers, industrial and playground recreation; social organization of recreation; problems of program content. Field trips; observation; practical work. Prerequisite: Physical Education 48. Mon. and Wed., 1:40 P.M.

Summer Sessions 1940 (2-2)—first term, June 17-July 30—daily except Sat., 8:30 A.M.; second term, July 30-September 13—daily except Sat., 8:30 A.M. (Farrington).

#### THIRD GROUP

- 201-2 *Seminar: Test Construction in Physical Education* (3-3) Myers, Phillips  
A general study of current trends in the various phases of testing in physical education. A certain amount of originality and research work must be shown in a term report. Prerequisite: Physical Education 118. Tues., 7:30 to 9:30 P.M.

## PHYSICAL EDUCATION FOR WOMEN

Ruth Harriet Atwell, A.M., *Professor of Physical Education for Women,  
Executive Officer*

Helen Bennett Lawrence, A.M., *Assistant Professor of Physical Educa-  
tion for Women*

Jenny Emsley Turnbull, A.M., *Assistant Professor of Physical Educa-  
tion for Women*

Maude Nelson Parker, *Lecturer in Physical Education for Women  
—, Lecturer in Hygiene*

Elizabeth Burtner, A.M., *Instructor in Physical Education for Women*

Helen Taylor Hanford, A.M., *Associate in Physical Education for  
Women*

Two years of Physical Education (Physical Education 1-2 and 11-12) are required of all women for graduation, except of students exempt under the regulations stated on pages 37-38. In the fall a complete medical and physical examination is given each student for the purpose of discovering individual needs. Those students whose examinations indicate the desirability of remedial or restricted activity are assigned to a program especially adapted to their needs. This limited program includes moderate sports and individual body mechanics in small groups under careful supervision.

The required costume for Physical Education classes may be purchased at the University Store.

*Minimum requirements for the major.*—For the first two years in Junior College see page 143. For the last two years in the School of Education see page 57. Students desiring to prepare themselves to teach another subject in addition to Physical Education may do so by choosing their elective hours in one subject-matter group upon the advice of the Executive Officer.

*Fees.*—For a statement of locker and towel fees, see page 21.

### FIRST GROUP

#### 1-2 Freshman Physical Education (1-1)

The Staff

One lecture on personal hygiene and two periods of activity a week.

Personal hygiene: study of a well-balanced program for daily living based on the general physiological laws of personal hygiene. Section A: Mon., 12:10 P.M.; section B: Tues., 12:10 P.M.

Activities: in the fall season freshmen may elect soccer or field hockey; in the winter season, dance, basketball, badminton, ice skating, fencing, or individual body mechanics; in the spring season, elementary, intermediate, or advanced swimming, or (if they pass the swimming test) archery, canoeing, golf, tennis,



lacrosse, or riding. Section A: Mon. and Fri., 1:40 P.M.; section B: Tues. and Thurs., 1:40 P.M.; section C: Mon. and Fri., 2:40 P.M.; section D: Tues. and Thurs., 2:40 P.M.

11-12 *Sophomore Physical Education (1-1)*

The Staff

Two periods of activity a week. In the fall season students may elect field hockey, soccer, golf, archery, tennis, canoeing, or riding; in the winter season, dance, basketball, badminton, ice skating, fencing, or individual body mechanics; in the spring season, swimming, or (if they pass the swimming test) tennis, golf, archery, canoeing, lacrosse, or riding. Section A: Wed. and Fri., 11:10 A.M.; section B: Wed. and Fri., 12:10 P.M.; section C: Mon. and Fri., 1:40 P.M.; section D: Tues. and Thurs., 1:40 P.M.; section E: Mon. and Fri., 2:40 P.M.; section F: Tues. and Thurs., 2:40 P.M.

13-14 *Skill Techniques in Physical Education Activities (2-2)*

The Staff

Practice in basic motor skills for prospective teachers in the following: (1) team sports—field hockey, soccer, basketball, softball, and speedball; (2) dance—folk, tap, modern; (3) body mechanics. Programs are arranged according to individual needs. Wed., 1:40 to 4:30 P.M.; other hours to be arranged.

15-16 *Skill Techniques in Physical Education Activities (2-2)*

The Staff

Practice in basic motor skills for prospective teachers in the following: (1) individual and dual sports—swimming, tennis, golf, badminton, archery; (2) graded games for all ages; (3) self-testing activities—tumbling, stunts, achievement tests. Programs are arranged according to individual needs. Wed., 1:40 to 4:30 P.M.; other hours to be arranged.

18 *Kinesiology (3)*

Lawrence

A study of the anatomical mechanism of movement; analysis of the action of the muscles in physical-education activities. Prerequisite: Zoology 1-2 and 31. Mon., Wed., and Fri., 9:10 A.M.

20 *Playground Leadership (1)*

Parker

Playground objectives, methods, and program; practice teaching on the playgrounds of Washington. Thurs., 3:40 P.M.

SECOND GROUP

101-2 *Individual Body Mechanics and Physical Examinations (3-3)*

Lawrence

Cause and correction of faulty body mechanics and other abnormal physical conditions; physical-examination methods used

in the diagnosis of physical defects; program adaptation to special cases. Prerequisite: Physical Education 18; Zoology 1-2, 31. Mon., Wed., and Fri., 10:10 A.M.

103 *Nature and Function of Play* (2) Atwell

The significance of play in human growth and development; social and physical aspects of play; play activities in relation to age levels. Tues and Thurs., 5:10 P.M.

104 *History and Principles of Physical Education* (3) Atwell

Prerequisite: Physical Education 103. Mon., Wed., and Fri., 9:10 A.M.

109-10 *Methods of Teaching Sports and Games* (2-2) The Staff

Teaching procedures and officiating with opportunities for practice in teaching in the following: (1) team sports—field hockey, soccer, basketball, speedball, and softball; (2) individual and dual sports—swimming, tennis, golf, archery, badminton; (3) games for all grade levels. Wed., 1:40 to 4:30 P.M.; other hours to be arranged.

112 *Administration of Physical Education* (3) Atwell

Organization and administration of physical education in elementary and secondary schools, colleges, and recreational centers. Prerequisite: Physical Education 103, 104. Mon., Wed., and Fri., 11:10 A.M.

113-14 *Methods of Teaching Dance and Body Mechanics* (2-2)

The Staff

Sources, classification, selection and adaptation of material; terminology; progressions; analysis of methods; relationship of music to dance. Types of dance included are folk and country, tap and character, and modern dance. Wed., 1:40 to 4:30 P.M.; other hours to be arranged.

116 *Clinical Work in Individual Body Mechanics and Physical Examinations* (3) Lawrence

Practice in giving physical examinations, analysis of results, prescription and teaching of corrective exercises; observation in orthopedic clinics in city; first aid and care of athletic injuries, with instruction in bandaging and massage. Prerequisite: Physical Education 18, 101-2; Zoology 1-2, 31. Hours to be arranged.

117 *Tests and Measurements in Physical Education* (2) Atwell

Critical survey of tests in physical activities; methods of test construction; elementary statistics. (Not offered in 1940-41.)

- 118 *Camp Leadership* (1) Atwell and Lecturers  
Philosophy and administration of modern camps. Lectures and discussions by specialists in the various phases of camping; field trips; workshop in camp activities; seminar on camp administration. Additional credit for field work in camp under supervision may be arranged. Thurs., 7:30 to 9:30 P.M.
- 121 *The Health and Physical Education Program in the Elementary School* (2) Atwell  
For administrators, supervisors, classroom teachers, and parents. Detection and interpretation of individual differences through a survey of age characteristics, available testing materials, and the rudiments of physical examinations; methods, materials, and organization in physical education activities; the development of programs in health education. (Not offered during the academic year.)  
Summer Sessions 1940 (2)—daily except Sat., 9:30 A.M.—six weeks' term.
- 133-34 *Observation and Cadet Teaching* (3-3) Burtner, Atwell  
Directed teaching with weekly conferences in junior and senior high schools.

#### RELATED COURSES IN THE DEPARTMENT OF EDUCATION

- Education 147, *Proseminar: The Organization of the School Health Program*  
Education 148, *Proseminar: Methods and Materials in Health Instruction*



## PHYSICS

Thomas Benjamin Brown, Ph.D., *Professor of Physics, Executive Officer*

Walter Lynn Cheney, Ph.D., *Professor of Physics*

George Antony Gamow, Physics D., *Professor of Theoretical Physics*

Edward Teller, Ph.D., *Professor of Physics*

Raymond John Seeger, Ph.D., *Associate Professor of Physics*

George Martin Koehl, A.M., *Associate in Physics*

Lawson Morell McKenzie, A.M., *Associate in Physics*

*The major.*—Prerequisite: Physics 12, 13, 14, and 55; Mathematics 19 and 20. Required for the Bachelor of Arts degree: Physics 113-14, 116, 121-22, 124x, and four semester-hours of second-group laboratory courses; Mathematics 132. Required for the Bachelor of Science degree: same courses as for the Bachelor of Arts degree, plus Mathematics 171.

*Fees.*—For a statement of material fees, see page 21.

### FIRST GROUP

†3-4 *Introductory Survey in Physical Science\** (3-3) Seeger, Naeser  
A study of energy and matter, their relation to each other, and their significance to man. Mon., Wed., and Fri., 10:10 A.M. (Same as Chemistry 3-4.)

#### 11 *General Physics I\** (3)

Cheney and Staff

Introduction to the scientific method as used in the study of energy and forces: the physical properties of solids, liquids, and gases; the phenomena of heat and of light. Lecture—section A: Tues., 11:10 A.M.; section B: Tues., 5:10 P.M. Recitation and laboratory—section K: Thurs., 11:10 A.M., and Tues., 1:40 to 3:30 P.M.; section L: Wed., 1:40 P.M. and 2:40 to 4:30 P.M.; section M: Fri., 1:40 P.M. and 2:40 to 4:30 P.M.; section R: Thurs., 5:10 P.M., and Tues., 6:40 to 8:30 P.M.; section S: Thurs., 5:10 P.M., and Wed., 7:40 to 9:30 P.M.

Physics 11x—same as Physics 11, but offered second semester. Lecture—Fri., 11:10 A.M. Recitation and laboratory—section A: Tues., 1:40 P.M., and Thurs., 1:40 to 3:30 P.M.; section B: Mon., 11:10 A.M., and Wed., 11:10 A.M. to 1:00 P.M.

\* Physics 12, 13, and 14 constitute the basic course in Physics. Students who have credit for high school Physics from an accredited high school may omit Physics 12-4 or 11 as a prerequisite to Physics 12 and 13, provided that they pass a qualifying examination given at the beginning of the course (Physics 12 or Physics 13).

Before completing registration for Physics 11, 12, or 13, each student must obtain from the representative of the Department an assignment to a class section.

**12x General Physics II\* (3)**

Seeger and Staff

Electricity; magnetism; the principles underlying the uses of electric power in everyday life. Offered first semester. Prerequisite: Physics 3-4 or 11. Lecture—section A: Thurs., 11:10 A.M.; section B: Thurs., 5:10 P.M. Recitation and laboratory—section K: Tues., 11:10 A.M. and 1:40 to 3:30 P.M.; section L: Wed., 1:40 P.M. and 2:40 to 4:30 P.M.; section M: Fri., 1:40 P.M. and 2:40 to 4:30 P.M.; section R: Tues., 5:10 P.M. and 6:40 to 8:30 P.M.; section S: Tues., 5:10 P.M., and Wed., 7:40 to 9:30 P.M.; section T: Tues., 5:10 P.M., and Thurs., 6:40 to 8:30 P.M.

Summer Sessions 1940 (3)—Mon., Wed., and Fri., 6:10 P.M., and Tues. and Thurs., 6:30 to 8:30 P.M., nine weeks' term (Seeger).

**13x General Physics III\* (3)**

Seeger and Staff

Mechanics, wave-motion, sound, and the theory of optical instruments. Offered second semester. Prerequisite: Physics 3-4 or 11. Lecture—section A: Thurs., 11:10 A.M.; section B: Thurs., 5:10 P.M. Recitation and laboratory—section K: Tues., 11:10 A.M. and 1:40 to 3:30 P.M.; section L: Wed., 1:40 P.M. and 2:40 to 4:30 P.M.; section M: Fri., 1:40 P.M. and 2:40 to 4:30 P.M.; section N: Sat., 11:10 A.M., and Tues., 11:10 A.M. to 1:00 P.M.; section P: Tues., 5:10 P.M., and Mon., 7:40 to 9:30 P.M.; section R: Tues., 5:10 P.M. and 6:40 to 8:30 P.M.; section S: Tues., 5:10 P.M., and Wed., 7:40 to 9:30 P.M.; section T: Tues., 5:10 P.M., and Thurs., 6:40 to 8:30 P.M.

Physics 13—same as Physics 13x, but offered first semester, 1940-41 only. Open only to those students who have passed Physics 12. Lecture—section A: Fri., 11:10 A.M.; section B: Fri., 6:10 P.M. Recitation and laboratory—section A: Wed., 11:10 A.M., and Mon., 11:10 A.M. to 1:00 P.M.; section B: Wed., 6:10 P.M., and Mon., 6:40 to 8:30 P.M. (Cheney).

Summer Sessions 1940 (3)—Mon. and Wed., 6:10 to 7:30 P.M., and Tues. and Thurs., 6:30 to 8:30 P.M., nine weeks' term (Brown, Seeger).

**14 General Physics IV\* (2)**

Brown, Cheney

The experimental evidence concerning the nature of light, electricity, and matter; practical developments of modern physics, such as X-ray apparatus, electron tubes, and radio. Prerequisite:

\* Physics 12, 13, and 14 constitute the basic course in Physics. Students who have credit for high school Physics from an accredited high school may omit Physics 3-4 or 11 as a prerequisite to Physics 12 and 13 provided that they pass a qualifying examination given at the beginning of the course (Physics 12 or Physics 13).

Before completing registration for Physics 12, 13, or 14, each student must obtain from the representative of the Department an assignment to a class section.

site: Physics 12 and 13. Section A: Tues. and Thurs., 11:10 A.M.; section B: Tues. and Thurs., 5:10 P.M.

Summer Sessions 1940 (2)—daily except Sat., 5:10 P.M., six weeks' term (Brown).

- 55 *Physical Measurements* (2) Brown  
Theory and use of the methods of precise measurement in the several fields of physics. Prerequisite: Physics 12 and 13. Section A: Tues., 1:40 P.M. and 2:40 to 4:30 P.M.; section B: Tues., 5:10 P.M. and 7:40 to 9:30 P.M.

#### SECOND GROUP

- 113-14 *Molecular and Atomic Physics* (3-3) Teller  
Constituent particles of matter; kinetic theory and the properties of macroscopic bodies; spectra and the structure of atoms and molecules; introduction to chemical physics. Prerequisite: Physics 14; Mathematics 20. Tues. and Thurs., 6:10 to 7:30 P.M.

- 116 *Optics* (3) Cheney  
Geometrical optics; elementary theory of wave motion; interference, diffraction, polarization, and dispersion of light; laws of thermal radiation. Prerequisite: Physics 14; Mathematics 20. (Offered in 1941-42 and alternate years.)

- 121-22 *Mechanics and Heat* (3-3) Cheney  
First semester: statics, elasticity, dynamics of solids and fluids, planetary motion and gravitation; second semester: elementary acoustics, temperature and thermometry, elementary theory of heat conduction, the first and second laws of thermodynamics and their applications to physical systems. Prerequisite: Physics 14; Mathematics 20. Mon., Wed., and Fri., 5:10 P.M. (Offered in 1940-41 and alternate years.)

- 124x *Principles of Electricity* (3) Cheney  
An exact consideration of the fundamental phenomena of electricity and magnetism, primarily from the experimental standpoint; circuit theory, including elementary alternating-current circuits. Prerequisite: Physics 14; Mathematics 20. Offered first semester. (Offered in 1941-42 and alternate years.)

- 133x *Electronics* (3) Brown  
The phenomena of electron emission from solids; the physical properties of electron tubes, and the principles underlying their basic applications. Prerequisite: Physics 14, and Physics 124x



or Electrical Engineering 101. Offered second semester. Lectures—Mon. and Wed., 6:10 P.M. Laboratory—section A: Thurs., 1:40 to 3:30 P.M.; section B: Fri., 7:10 to 9:00 P.M.

134x *High-Frequency Electrical Phenomena* (3) Brown  
High-frequency measurements; applications of electron tubes to high-frequency circuits, including amplifiers, oscillators, and modulated oscillators. Prerequisite: Physics 133x. Offered first semester. (Offered in 1941-42 and alternate years.)

143-44 *Experimental Atomic Physics* (2-2) Brown  
A laboratory course designed to parallel the work of Physics 113-14. Prerequisite or concurrent registration: Physics 113-14. Section A: Thurs., 1:40 to 4:30 P.M.; section B: Thurs., 7:30 to 10:30 P.M.

155-56 *Advanced Physical Measurements* (2-2) Brown  
An individual program of experiments is arranged for each student in accordance with his preparation and his special interests. Prerequisite: Physics 55. Section A: Thurs., 1:40 to 4:30 P.M.; section B: Thurs., 7:30 to 10:30 P.M.

165 *Special Relativity* (3) Gamow  
Prerequisite: Physics 121 and 124x. Mon., Wed., and Fri., 5:10 P.M.

### THIRD GROUP

211-12 *Classical Physical Theory* (3-3) Brown  
First semester: dynamics of systems of particles and of rigid bodies; generalized coordinates; a brief treatment of general thermo-dynamic theory. Second semester: dynamics of deformable bodies and incompressible fluids; electromagnetic-field theory and the electromagnetic theory of light. Prerequisite: Physics 121-22 and 124x; Mathematics 132 and 171. Mon., Wed., and Fri., 5:10 P.M.

221-22 *Quantum Physics* (3-3) Teller  
Principles of atomic physics. Correspondence between micro-physics and macro-physics. Dual description of matter and radiation in terms of waves and particles. Prerequisite: Physics 211-12. Mon. and Wed., 6:10 to 7:30 P.M.

243-44 *Experimental Electronics* (3-3) Brown  
Advanced laboratory work of research character. Prerequisite: Physics 133x and 143-44. Hours to be arranged.

- 251x *Electron Theory of Metals* (3) Seeger  
Theory of the motion of electrons in a crystal lattice, with applications to the physical properties of metals. Prerequisite: Physics 221-22. Offered second semester. Tues. and Thurs., 6:10 to 7:30 P.M. (Offered in 1940-41 and alternate years.)
- 256x *Statistical Mechanics* (3) Seeger  
Foundations of classical and quantum statistics, with applications to gases and crystals. Prerequisite: Physics 113-14; Mathematics 132. Offered first semester. Tues. and Thurs., 6:10 to 7:30 P.M. (Offered in 1940-41 and alternate years.)
- 260 *Astrophysics* (3) Gamow  
Prerequisite: Physics 261. (Not offered in 1940-41.)
- 261 *Nuclear Physics* (3) Gamow  
Prerequisite: Physics 221-22. (Not offered in 1940-41.)
- 265x *Gravitation and Cosmology* (3) Gamow  
Prerequisite: Physics 165; Mathematics 132. Offered second semester. Mon., Wed., and Fri., 5:10 P.M.
- 271-72 *Structure of Molecules* (3-3) Teller  
First semester: configuration and vibration of atoms in molecules; electrical properties of molecules. Second semester: theory of spectra of atoms and molecules; electronic structure of matter; the problem of valency. Prerequisite: Physics 221-22. (Offered in 1941-42 and alternate years.)
- 291-92 *Seminar: Recent Developments in Physics* (1-1) The Staff  
Individual investigations of special problems. All students registered for Master of Arts work in Physics are required to attend this seminar during the time they are working for this degree. They may register for credit for a maximum of three semester-hours. Mon., 8:00 to 10:00 P.M., alternate weeks.
- 299-300 *Thesis* (3-3) The Staff

## SPECIAL METHOD COURSE

Biology 172, *Teaching of Science*

## PHYSIOLOGY

Errett Cyril Albritton, A.B., M.D., *Professor of Physiology, Executive Officer*

Chester Elwood Leese, Ph.D., *Associate Professor of Physiology*

Alma Fogelberg, Ph.D., *Instructor in Physiology*

Robert Custis Grubbs, M.S., M.D., *Instructor in Physiology*

*Fees.*—For a statement of material fees, see page 21.

- 115 Physiology (3)** Leese and Staff  
Lectures covering the fundamentals of physiology in its various subdivisions. Prerequisite: one year of general science or one semester of a biological science. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Tues. and Thurs., 5:00 to 6:25 P.M.
- 117 Physiology (1)** Fogelberg, Grubbs  
Laboratory exercises in the fundamentals of physiology. Prerequisite: Physiology 115 or the equivalent. The two, 115 and 117, may be taken concurrently. Sat., 10:10 A.M. to 1:00 P.M.
- 132 Physiology** Albritton  
An intensive didactic survey of vertebrate physiology, drawing heavily on prerequisite work in physics, biology, and chemistry, and establishing the concept of physiology as a science made up of causally interrelated variables. Eight hours a week, the first month.
- 134 Experimental Physiology** Albritton and Staff  
Laboratory work, demonstrations, and advanced lectures. The student is given demonstrations of basic techniques and fundamental experiments during the first month. He is then offered a wide variety of simple problems, each involving a causal relationship between two functional variables. Problems are taken from current literature and earlier sources and cover the usual subdivisions of laboratory study, including mammalian work. Training in experimental method is emphasized, and rigorous standards of proof are maintained. Two hours of lectures and nine hours of laboratory work a week.
- 200 Physiology of Activity (1 or 2)** Albritton  
The circulatory, respiratory, endocrine, metabolic, and other adaptations, immediate and long term, accompanying activity. May be taken for two credits with additional work. Prerequisite: Physiology 115 or the equivalent. Tues., 9:10 A.M.



- 269-70 *Problems in Physiology* Albritton and Staff  
Hours and credits to be arranged.
- 272 *Experimental Method* Albritton  
The design of controlled experiments in medical or biological investigation; errors in design; criticism and judgment of evidence, and tests of the statistical significance of experimental results. May be taken for one credit with additional work. Eight lectures, hours to be arranged.
- 274 *The Psycho-Physiology of Personality* Leese  
Lectures on the genesis and expression of personality, with emphasis on the physiological approach. May be taken for one credit with additional work. Eight lectures, hours to be arranged.
- 275-76 *Research* Albritton and Staff  
Hours and credits to be arranged.

## POLITICAL SCIENCE

Warren Reed West, Ph.D., *Professor of Political Science, Executive Officer*

William Crane Johnstone, Jr., Ph.D., *Professor of Political Science*

Colón Eloy Alfaro, *Professorial Lecturer on International Law*

John Albert Tillema, Ph.D., LL.M., S.J.D., *Associate Professor of Political Science*

John Withrow Brewer, Ph.D., *Associate Professor of International Law*

Shio Sakanishi, Ph.D., *Research Associate in Political Science*

*Minimum requirements for the major.*—Prerequisite: Political Science 9-10. Required: twenty-four semester-hours of second- or third-group courses in Political Science or (with specific written approval of the Department of Political Science) in related departments.

### FIRST GROUP

- 9-10 *Government of the United States* (3-3) West, Brewer  
 Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Tues. and Thurs., 5:10 to 6:25 P.M.

Summer Sessions 1940—Political Science 9 (3), section A: daily except Sat., 11:30 A.M., nine weeks' term (Tillema); section B: daily except Sat., 5:10 P.M., nine weeks' term (West). Political Science 10 (3), daily except Sat., 6:10 P.M., nine weeks' term (West).

### SECOND GROUP

- 111 *The Governments of Europe: The Older Democracies* (3) Tillema  
 Prerequisite: Political Science 9-10. Tues., Thurs., and Sat., 10:10 A.M.

- 112 *The New Governments of Europe* (3) Tillema  
 Prerequisite: Political Science 9-10. Tues., Thurs., and Sat., 10:10 A.M.

Summer Sessions 1940 (3)—daily except Sat., 5:10 P.M., nine weeks' term.

- 115 *Municipal Government* (3) Tillema  
 Prerequisite: Political Science 9-10. (Not offered in 1940-41.)

- 116 *Political Parties* (3) Tillema  
Prerequisite: Political Science 9-10. (Not offered in 1940-41.)
- 117 *Political Theory* (3) West  
Prerequisite: Political Science 9-10. Tues., Thurs., and Sat.,  
9:10 A.M.
- 121-22 *The Constitution of the United States* (3-3) West  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri.,  
5:10 P.M.
- 124 *Legislative Organization* (3) West  
Prerequisite: Political Science 9-10. Tues., Thurs., and Sat.,  
9:10 A.M.
- 127 *Commercial Law: The Principles of Contract, Agency, and  
Bailments* (3) Tillema  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri.,  
5:10 P.M.  
Summer Sessions 1940 (3)—daily except Sat., 6:10 P.M., nine  
weeks' term.
- 128 *Commercial Law: Partnerships, Corporations, and Bank-  
ruptcy* (3) Tillema  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri.,  
5:10 P.M.
- 129 *Commercial Law: Negotiable Instruments and Sales* (3) Tillema  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri.,  
6:10 P.M.
- 130 *Admiralty* (3) Tillema  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri.,  
6:10 P.M.
- 151-52 *Administration* (3-3) Tillema  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri.,  
9:10 A.M.
- 171 *International Politics and Organization* (3) Johnstone  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri.,  
10:10 A.M.  
Summer Sessions 1940 (3)—daily except Sat., 6:10 P.M., nine  
weeks' term.



- 181-82 *International Law* (3-3) Brewer  
Prerequisite: Political Science 9-10. Tues. and Thurs., 5:10 to 6:25 P.M.
- 192 *The Near East: Politics and Government since 1878* (3) Johnstone  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri., 10:10 A.M.
- 193 *The Far East: Politics and Government to 1894* (3) Johnstone  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri., 6:10 P.M.
- 194 *The Far East: Politics and Government since 1894* (3) Johnstone  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri., 6:10 P.M.
- 195-96 *Proseminar: Politics and Government in the Pacific Area* (3-3) Johnstone  
Tues., 8:10 to 10:00 P.M.
- 199-200 *Proseminar: Readings for International Relations Major* (3-3) Johnstone  
Hours to be arranged.

## THIRD GROUP

- 209-10 *Seminar* (3-3) West  
(Not offered in 1940-41.)
- 275-76 *Proseminar: Foreign Service* (3-3) Tillema  
(Not offered in 1940-41.)
- 281-82 *Seminar: International Law and Relations* (3-3) Brewer  
Mon., 8:10 to 10:00 P.M.  
Summer Sessions 1940—Political Science 281 (3), Mon. and Wed., 8:10 P.M., nine weeks' term (Johnstone).
- 299-300 *Thesis* (3-3) The Staff  
Hours to be arranged.

## PSYCHIATRY

Winfred Overholser, A.B., M.D., *Professor of Psychiatry, Executive Officer*

Roscoe Willis Hall, Ph.B., M.D., *Clinical Professor of Psychiatry*

John Edward Lind, M.D., *Clinical Professor of Psychiatry*

Solomon Katzenelbogen, M.D., *Clinical Professor of Psychiatry*

Paul Jacob Ewerhardt, M.D., *Clinical Instructor in Psychiatry*

Harriet Elizabeth Twombly, A.B., M.D., *Clinical Instructor in Psychiatry*

Addison McGuire Duval, M.D., *Clinical Instructor in Psychiatry*

Samuel Alexander Silk, Ph.D., M.D., *Clinical Instructor in Psychiatry*

Alice Heyl Kiessling, A.B., M.D., *Clinical Instructor in Psychiatry*

Edgar Deucher Griffin, A.B., M.D., *Clinical Instructor in Psychiatry*

### 136 *Introductory Medical Psychology*

Lind

The theoretical and practical aspects of the constitution, character, and personality as related to Medicine; the psychological features in various diseases, with special attention to the patient's personality; the different types of character development and their special ways of adaptation. One hour a week for sixteen weeks.

### 278 *Organic Psychopathology*

Hall

The common organic-reaction types, illustrated with suitable case presentations. One hour a week.

### 366 *Psychiatry*

Overholser

A course on the major psychoses, illustrated by the presentation of clinical material and utilized for the purpose of explaining the fundamental psychological mechanisms involved. St. Elizabeths Hospital. One hour a week.

### 368 *Psychosomatic Aspects of General Medicine*

Katzenelbogen

Somatic disorders of functional origin *versus* organic structural disorders. The function of the person as a whole and the function of organs. The role of psychobiological reactions (personality reactions) in somatic disorders (illustrative cases). One hour a week.

- 370 *Personality Adjustments* Ewerhardt  
Maladaptations occurring in childhood and youth. One hour  
a week for eight weeks.
- 473-74 *Ward Work* The Staff  
The personal examination of the various types of psychosis  
and the writing by the student of a formal report of the mental  
examination, followed by a review of the cases with an instructor. St. Elizabeths Hospital. Two hours a week.
- 475 *Psychoneurosis* Lind  
A course on the descriptive aspects, the etiology, the psychopathology, and the treatment of the various psychoneuroses. St. Elizabeths Hospital. One hour a week for twelve weeks.
- 477 *Personality Profiles* The Staff  
Utilization of psychological testing methods for the purpose of determining individuals' limitations and special capacities. St. Elizabeths Hospital. One hour a week for four weeks.



## PSYCHOLOGY

Mitchell Dreese, Ph.D., *Professor of Educational Psychology*

Henry Furness Hubbard, Ph.D., *Adjunct Professor of Psychology*

Thelma Hunt, Ph.D., M.D., *Associate Professor of Psychology, Executive Officer*

Steuart Henderson Britt, Ph.D., *Assistant Professor of Psychology*

John Porter Foley, Jr., Ph.D., *Assistant Professor of Psychology*

William Moore Loman, A.M., *Lecturer in Psychology*

*Minimum requirements for the major.*—Prerequisite: Psychology 1 and three semester-hours of any other first-group course in Psychology. Required: Psychology 115x, either 125 or 151, 191, 195-96, and nine semester-hours of any other second- or third-group courses; Physiology 115; Statistics 135.

*Fees.*—For a statement of material fees, see page 21.

### FIRST GROUP

#### 1 *General Psychology*\* (3) Hunt, Britt, Foley

The fundamental principles underlying human behavior. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Mon., Wed., and Fri., 10:10 A.M.; section C: Tues., Thurs., and Sat., 11:10 A.M.; section D: Mon., Wed., and Fri., 5:10 P.M.; section E: Tues. and Thurs., 6:10 to 7:25 P.M.

Psychology 1x—same as Psychology 1, but offered second semester. Mon., Wed., and Fri., 9:10 A.M.

Summer Sessions 1940 (3)—section A: daily except Sat., 8:30 A.M., nine weeks' term; section B: daily except Sat., 5:10 P.M., nine weeks' term (Britt).

#### 2 *Applied Psychology* (3) Hunt, Britt

The applications of psychology in business, industry, medicine, law, athletics, education, and art. Section A: Mon., Wed., and Fri., 9:10 A.M.; section B: Tues., Thurs., and Sat., 11:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Tues. and Thurs., 6:10 to 7:25 P.M.

Summer Sessions 1940 (3)—daily except Sat., 5:10 P.M., nine weeks' term (Hunt).

#### 22 *Introduction to Educational Psychology* (3) Dreese

Individual differences and their educational significance; the psychology of learning, with special emphasis on adolescence. Parallels Psychology 121. Mon., Wed., and Fri., 10:10 A.M.

\* Psychology 1 is prerequisite to all other courses in Psychology.

## SECOND GROUP\*

- 115x *Abnormal Psychology* (3) Hunt  
 The causes, diagnosis, treatment, and prevention of the various types of mental disorders. Offered second semester. Mon., Wed., and Fri., 11:10 A.M.  
 Summer Sessions 1940 (3)—daily except Sat., 6:10 P.M., nine weeks' term.
- 118 *Structural Factors in Behavior* (2) Hunt  
 (Not offered in 1940-41.)
- 121 *Educational Psychology* (3) Dreese  
 Parallels Psychology 22, but is designed for teachers of experience and for graduate students. Mon., Wed., and Fri., 5:10 P.M.  
 Summer Sessions 1940 (2)—daily except Sat., 9:30 A.M., six weeks' term (Britt).
- 125 *Child Psychology* (3) \_\_\_\_\_  
 A genetic approach to the study of the child in the home. Mon., Wed., and Fri., 10:10 A.M.  
 Psychology 125x—same as Psychology 125, but offered second semester. Mon., Wed., and Fri., 5:10 P.M.
- 129 *Educational and Vocational Guidance* (2) Dreese  
 A survey of the techniques used in guidance. Wed., 7:40 P.M.
- 131 *Psychological Tests* (2) Hunt  
 A survey of psychological tests and their more common uses in business, industry, law, and medicine. Mon. and Wed., 11:10 A.M.
- 132 *Individual Psychological Testing* (2) Hunt  
 (Not offered in 1940-41.)
- 134 *Educational Measurements* (2) Dreese  
 The construction and use of the newer types of educational tests. Wed., 7:40 P.M.
- 141 *Personnel Psychology in Business and Industry* (3) Loman  
 The principles of job analysis; methods of selection, placement, and promotion of personnel; instruction in the use of standardized tests and research methods in cooperation with the personnel officers in local industrial organizations. Tues. and Thurs., 6:10 to 7:25 P.M.

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\* Psychology 1 is prerequisite to all other courses in Psychology.

- 142 Psychology of Advertising and Selling (3)** Loman  
An introduction to the fundamental procedures of advertising and selling, with emphasis placed on the application of the psychological principles underlying these fields. Tues. and Thurs., 6:10 to 7:25 P.M.
- 143-44 Personnel Psychology in the Public Service (3-3)** Hubbard  
First semester: personnel selection; second semester: inservice personnel activities. Mon., Wed., and Fri., 5:10 P.M.  
Summer Sessions 1940—Psychology 143 (3), daily except Sat., 5:10 P.M., nine weeks' term.
- 147 Psychology in Law (3)** Britt  
The social psychology of the court room and of the legal profession. Psychological examination of various legal theories, plus special attention to problems of perception, memory, testimony, suggestion, crime, and punishment. May be elected by pre-legal students and others. Tues., Thurs., and Sat., 10:10 A.M.
- 151 Social Psychology (3)** Britt  
The behavior of individuals in their reactions to other individuals and in social situations, with special attention to the social psychology of attitudes. Tues. and Thurs., 5:10 to 6:25 P.M.
- 154 Public Opinion (3)** Britt  
The social psychology of propaganda and of censorship in school, church, press, theater, radio, and politics, with special attention to pressure groups and the formation and control of public opinion in governmental activities. Prerequisite: Psychology 151. Tues. and Thurs., 5:10 to 6:25 P.M.
- 161x Comparative Psychology (3)** Foley  
A survey of psychological phenomena in infrahuman organisms, with special emphasis on the evolution of animal behavior from the lowest forms to man. Mon., Wed., and Fri., 10:10 A.M.
- 191-92 Experimental Psychology (3-3)** Foley  
The application of experimental methods to various psychological problems. Psychology 191 is a prerequisite for 192. Mon. and Wed., 6:10 to 7:25 P.M.
- 195-96 Proseminar in Psychology (3-3)** Britt, Foley  
First semester: discussion of current psychological literature, critical reports on special topics, and a coordinated résumé of the major fields; second semester: a critical survey of the history of psychology, and of contemporary points of view. Wed., 7:40 P.M.



## THIRD GROUP\*

- 203-4 *Research in Psychology* The Staff  
Hours and credits to be arranged.  
Summer Sessions 1940—hours and credits to be arranged.
- 218 *Seminar: Structural Factors in Behavior* (3) Hunt  
A study of the endocrine glands as they affect behavior. Thurs.,  
7:40 P.M.
- 221 *Seminar: Psychology of Exceptional Children* (3) Dreese  
A study of the psychological characteristics of such groups as  
the mentally superior, the mentally retarded, the emotionally  
maladjusted, speech defectives, crippled and other types of  
deviates. Fri., 7:40 P.M.
- 226 *Seminar: Clinical Psychology of Childhood* (3) Hunt  
(Not offered in 1940-41.)  
Summer Sessions 1940 (3)—daily except Sat., 10:30 A.M., six  
weeks' term.
- 228 *Seminar: Techniques of Counseling* (3) Dreese  
A survey of counseling techniques and the types of problems  
most likely to confront home-room teachers, school counselors,  
and personnel workers.  
Summer Sessions 1940—daily except Sat., 11:30 A.M., six  
weeks' term.
- 230 *Seminar: Educational and Vocational Guidance* (3) Dreese  
The development of instruments and techniques to be used in  
guidance. Fri., 7:40 P.M.
- 231 *Seminar: Test Construction* (3) Hunt  
The principles underlying the construction and application of  
psychological, educational, and vocational tests, with practice in  
the construction of tests. Training will be given in the use of  
advanced statistical methods in the evaluation and standardiza-  
tion of tests. Thurs., 7:40 P.M.
- 232 *Research: Test Construction* (3) Hunt  
Individual projects in construction and evaluation of psychologi-  
cal, educational, or vocational tests. Designed for those who  
wish a second semester of work in test construction. Prereq-  
uisite: Psychology 231. Hours to be arranged.

\* Psychology 1 is prerequisite to all other courses in Psychology.

251 *Seminar: Social Psychology* (3)  
(Not offered in 1940-41.)

Britt

252 *Seminar: The Social Psychology of Personality* (3)  
The determinants, structure, and development of personality.  
Mon., 7:40 P.M.

Britt

291 *Seminar: The Conditioned Response* (3)  
An historical and critical survey of the conditioned response as  
an experimental phenomenon, as a methodological technique, and  
as a theoretical principle. Tues., 7:40 P.M.

Foley

299-300 *Thesis* (3-3)

The Staff

## PUBLIC SPEAKING

Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking, Executive Officer*

Harold Friend Harding, Ph.D., *Associate Professor of Public Speaking*

Henry Goddard Roberts, A.M., *Assistant Professor of Public Speaking*

Winfield DeWitt Bennett, A.M., *Assistant Professor of Public Speaking*

*The major.*—Required: twenty-four semester-hours of second- and third-group courses. Recommended in addition: English 117-18, 183, and 184; Philosophy 103 and 122; Psychology 151 and 154.

*Fees.*—For a statement of recording fees, see page 21.

### FIRST GROUP

#### 1 *Principles of Effective Speaking* (3)

The Staff

Short informative and persuasive speeches; delivery practice; pronunciation, enunciation, and diction; impromptu speaking. Speech recordings are required. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 10:10 A.M.; section C: Tues., Thurs., and Sat., 10:10 A.M.; section D: Tues., Thurs., and Sat., 10:10 A.M.; section E: Mon., Wed., and Fri., 11:10 A.M.; section F: Mon., Wed., and Fri., 5:10 P.M.; section G: Mon., Wed., and Fri., 5:10 P.M.; section H: Tues. and Thurs., 5:10 to 6:25 P.M.; section I: Mon., Wed., and Fri., 6:10 P.M.; section J: Mon., Wed., and Fri., 6:10 P.M.

Public Speaking 1x—same as Public Speaking 1, but offered second semester. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Tues., Thurs., and Sat., 10:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Mon., Wed., and Fri., 6:10 P.M.

Summer Sessions 1940 (3)—daily except Sat., 5:10 P.M., nine weeks' term (Yeager).

#### 2 *Principles of Effective Speaking* (3)

The Staff

Special emphasis is placed on persuasive and entertaining speeches. This course is a continuation of Public Speaking 1, which is prerequisite. Section A: Tues., Thurs., and Sat., 10:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Mon., Wed., and Fri., 6:10 P.M.

Public Speaking 2x—same as Public Speaking 2, but offered first semester. Section A: Mon., Wed., and Fri., 11:10 A.M.; section B: Mon., Wed., and Fri., 5:10 P.M.



- 11 *Argumentation and Debate* (3)** The Staff  
The methods of influencing the beliefs or actions of others by means of reasoned discourse; practice debates on problems and on public questions. Prerequisite: Public Speaking 1. Mon., Wed., and Fri., 6:10 P.M.

Public Speaking 11x—same as Public Speaking 11, but offered second semester. Mon., Wed., and Fri., 10:10 A.M.

- 22 *Oral Reading* (3)** Harding  
Theory of reading aloud, with special attention to meaning, pronunciation, enunciation, vocal refinement, and delivery; study and appreciation of selections from both poetry and prose. Mon., Wed., and Fri., 11:10 A.M.

- 42 *Parliamentary Law* (2)** Roberts  
The correct procedure in forming an organization and in conducting its meetings in an orderly and businesslike manner. Tues., 7:30 P.M.

#### SECOND GROUP

- 108 *Speeches for Special Occasions* (3)** Roberts  
The preparation and presentation of speeches of introduction, presentation, acceptance, welcome, nomination, and eulogy. Prerequisite: five semester-hours of Public Speaking. Mon., Wed., and Fri., 5:10 P.M.

- 109 *Radio Speaking* (3)** Yeager  
Radio speeches, interviews, and discussions; news commentating and news reporting. Prerequisite: five semester-hours of Public Speaking. Mon., Wed., and Fri., 10:10 A.M.

- 116 *Congressional Debate* (3)** Harding  
Study of current public questions being debated in the House and Senate of the United States; techniques of discussion both in committee and on the floor, including rules, procedure, hearings, questioning, cross-examination, refutation, and rebuttal. Prerequisite: five semester-hours of Public Speaking. Mon., Wed., and Fri., 6:10 P.M.

- 121 *Advanced Argumentation and Debate* (3)** Roberts  
Advanced study of reasoned discourse and its application to practical speech problems; practice debates. Prerequisite: Public Speaking 11. (Not offered in 1940-41.)

- 126 *Advanced Debate Practice* (1) The Staff  
Open only to members of the men's and women's intercollegiate debate squads. Public debates and debate conferences. Admission by permission of the instructor. Hours to be arranged.
- 128 *Advanced Debate Practice* (1) The Staff  
Open only to members of the men's and women's intercollegiate debate squads. Public debates and debate conferences. Prerequisite: Public Speaking 126. Hours to be arranged.
- 131-32 *Group Thinking and Conference Leadership* (3-3) Yeager  
The process of thinking and problem-solving in committees and small groups, and the methods of leading discussions and conferences. Short practice discussions and conferences. Prerequisite: six semester-hours of Public Speaking or permission of the instructor. Mon., 7:30 to 10:00 P.M.
- 134 *Business Interviews and Speeches* (3) Yeager  
The organization and presentation of facts and opinions in persuasive interviews and the planning and use of interviews for the purpose of obtaining information. Reports, sales talks, pep talks, and discussions. Prerequisite: Public Speaking 1. Tues. and Thurs., 5:10 to 6:25 P.M.
- 145-46 *English and American Orators and Oratory* (3-3) Yeager, Roberts  
First semester: a survey of English orators and oratory, with special emphasis on eighteenth-century Parliamentary oratory; second semester: survey of American orators and oratory from Colonial days to recent times. Prerequisite: six semester-hours of Public Speaking. Hours to be arranged. (Offered in 1940-41 and alternate years.)
- 191-92 *History of the Theory of Public Speaking* (3-3) Harding  
First semester: rhetorical theory of Aristotle, Cicero, Quintilian, and Longinus; study of Greek and Roman orations, especially those of Demosthenes and Cicero; second semester: English writers on rhetorical theory, with special attention to Wilson, Campbell, Blair, and Whately. Prerequisite: five semester-hours of Public Speaking. Hours to be arranged. (Offered in 1941-42 and alternate years.)

## THIRD GROUP

201-2 *Seminar* (3-3)The Staff

## ROMANCE LANGUAGES AND LITERATURES

Henry Grattan Doyle, A.M., *Professor of Romance Languages, Acting Executive Officer*

Merle Irving Protzman, A.M., *Associate Professor of Romance Languages*

Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages*

Louis Clark Keating, Ph.D., *Associate Professor of Romance Languages*

Irene Cornwell, Ph.D., *Assistant Professor of French*

Antonio Alonso, A.M., *Assistant Professor of Spanish*

Luis Sigfried Quintanilla, B.S., L.-ès-L., Diplômé, Ph.D., *Associate in Romance Languages*

Raul d'Eça, Ph.D., *Associate in Portuguese*

*The majors.*—The Department of Romance Languages offers three majors administered under the new plan, and provides proseminars intended to assist the student in preparing himself for the respective major examinations. These are: (1) a *Major in French Literature* (proseminar: French 199-200); (2) a *Major in Spanish Literature* (proseminar: Spanish 199-200); and (3) a *Major in Spanish American Literature* (proseminar: Spanish 197-98). The members of the staff in charge of the respective proseminars are designated as advisers in the respective fields. In these majors emphasis will be laid upon the political, social, and cultural background of the literature studied, as well as upon writers and their works. A reasonable proficiency in the spoken language will be required. For further details, see the pamphlet on the subject or consult the Executive Officer of the Department or the appropriate adviser.

### FRENCH

#### FIRST GROUP

†1-2 *First-Year French* (3-3) Keating and Staff  
For beginners. Grammar; composition; drill in pronunciation; translation of modern French prose. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Mon., Wed., and Fri., 6:10 P.M.; section E: Tues. and Thurs., 6:10 to 7:25 P.M.

Summer Sessions 1940 (3-3)—daily except Sat., 6:10 to 8:00 P.M., nine weeks' term (Deibert).

†5-6 *Second-Year French* (3-3) Deibert and Staff  
Advanced grammar and composition; reading of modern French prose; oral practice; introduction to French civilization. Pre-



requisite: French 1-2 or two years of high school French. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Mon., Wed., and Fri., 6:10 P.M.

Summer Sessions 1940 (3-3)—daily except Sat., 6:10 to 8:00 P.M., nine weeks' term (Protzman).

#### SECOND GROUP

French 5-6 or the equivalent is prerequisite for all second-group courses in French.

- †109-10 *Conversation and Composition* (3-3) Quintanilla  
Prerequisite: French 5-6. Mon., Wed., and Fri., 6:10 P.M.
- †115-16 *Survey of French Literature from the Seventeenth to the Twentieth Century* (3-3) Keating  
Prerequisite: French 5-6. (Not offered in 1940-41.)  
Summer Sessions 1940 (3-3)—daily except Sat., 6:10 to 8:00 P.M., nine weeks' term.
- †119-20 *Literature of the Sixteenth Century* (3-3) Keating  
Prose, poetry, drama, and memoirs of the French Renaissance: Rabelais, Montaigne, Marot, la Pléiade, etc. Class analysis of texts; collateral reading. Recommended: History 120. (Offered in 1941-42 and alternate years.)
- †121-22 *Literature of the Seventeenth Century* (3-3) Protzman  
History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry. Class analysis of texts; collateral reading. Mon., Wed., and Fri., 5:10 P.M. (Offered in 1940-41 and alternate years.)
- †123-24 *Literature of the Eighteenth Century* (3-3) Deibert  
History, philosophy, criticism, letters, drama, fiction, poetry, the "salons", the idea of progress, the idea of science. Class analysis of texts; collateral reading; lectures on literature and history. (Offered in 1941-42 and alternate years.)
- †125-26 *The Romantic Movement* (3-3) Keating  
Fiction, poetry, drama, criticism. Class analysis of texts; collateral reading; lectures on literature and history. Mon., Wed., and Fri., 10:10 A.M. (Offered in 1940-41 and alternate years.)
- †127-28 *Literature of the Nineteenth and Twentieth Centuries from 1850 to the Present* (3-3) Keating  
Fiction, poetry, drama, criticism. Class analysis of texts; collateral reading; lectures on literature and history. (Offered in 1941-42 and alternate years.)

- †129-30 *French Drama* (3-3) Protzman  
Study of the principal dramatic movements and theories from the origins to the present, with class analysis of representative complete plays and individual reports to the class on supplementary plays. Tues., Thurs., and Sat., 10:10 A.M. (Offered in 1940-41 and alternate years.)

- †199-200 *Proseminar: Readings for the Major in French Literature* (3-3) Keating  
Conferences and group discussions. Hours to be arranged.

## THIRD GROUP

- †227-28 *Seminar in French Literature* (3-3) Keating  
The topic for 1940-41 will be the French novel of the nineteenth and twentieth centuries. Prerequisite: a second-group course in French literature. Thurs., 7:30 to 9:30 P.M. (Offered in 1940-41 and alternate years.)

- †229-30 *Molière* (3-3) Protzman  
Prerequisite: a second-group course in French literature. (Offered in 1941-42 and alternate years.)

- †249-50 *Old French* (3-3) Doyle  
Philology and literature: *La Chanson de Roland*, the works of Chrétien de Troyes, etc.; phonology and morphology of Old French, with an outline of its development through Vulgar Latin; survey of French literature to the end of the thirteenth century. Prerequisite: a second-group course in French literature; an elementary knowledge of Latin. Tues., 5:10 to 7:00 P.M. (Offered in 1940-41 and alternate years.)

- †251-52 *Middle French* (3-3) Doyle  
French literature of the fourteenth and fifteenth centuries. Class analysis of texts; collateral reading. Prerequisite: a second-group course in French literature. Knowledge of Old French desirable. (Offered in 1941-42 and alternate years.)

- 299-300 *Thesis* (3-3) The Staff

## PORTUGUESE

## FIRST GROUP

- †1-2 *First-Year Portuguese* (3-3) d'Eça  
For beginners. Grammar; composition; drill in pronunciation; translation of modern Portuguese prose. Mon., Wed., and Fri., 6:10 P.M. (Given only if at least ten students register for it.)

- †5-6 *Second-Year Portuguese* (3-3) d'Eça  
Advanced grammar and composition; reading of modern Portuguese prose; oral practice; introduction to Portuguese and Brazilian civilization. Mon., Wed., and Fri., 5:10 P.M. (Given only if at least ten students register for it.)

## SPANISH

## FIRST GROUP

- †1-2 *First-Year Spanish* (3-3) Protzman and Staff  
For beginners. Grammar; composition; drill in pronunciation; translation of modern Spanish prose. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Mon., Wed., and Fri., 6:10 P.M.; section E: Tues. and Thurs., 6:10 to 7:25 P.M.

Summer Sessions 1940 (3-3)—daily except Sat., 6:10 to 8:00 P.M., nine weeks' term (Alonso).

- †5-6 *Second-Year Spanish* (3-3) Alonso and Staff  
Advanced grammar and composition; reading of modern Spanish prose; oral practice; introduction to Hispanic civilization. Prerequisite: Spanish 1-2 or two years of high school Spanish. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Mon., Wed., and Fri., 11:10 A.M.; section C: Mon., Wed., and Fri., 5:10 P.M.; section D: Mon., Wed., and Fri., 6:10 P.M.

Summer Sessions 1940 (3-3)—section A: daily except Sat., 9:30 to 11:20 A.M., nine weeks' term (Doyle); section B: daily except Sat., 6:10 to 8:00 P.M., nine weeks' term (Corliss).

## SECOND GROUP

Spanish 5-6 or the equivalent is prerequisite for all second-group courses in Spanish.

- †109-10 *Conversation and Composition* (3-3) Alonso  
Tues., Thurs., and Sat., 10:10 A.M.
- †121-22 *Spanish Literature of the Sixteenth and Seventeenth Centuries* (3-3) Doyle  
Cervantes, Lope de Vega, Calderón; the classic drama, fiction, the ballad, lyric poetry. Class analysis of texts; collateral reading; lectures on literature and history. (Offered in 1941-42 and alternate years.)



- †125-26 *Modern Spanish Literature* (3-3) Alonso  
Prose and poetry of the eighteenth, nineteenth, and twentieth centuries. Class analysis of texts; collateral reading; lectures on literature and history. Mon., Wed., and Fri., 6:10 P.M. (Offered in 1940-41 and alternate years.)
- †127-28 *Spanish American Literature* (3-3) Corliss  
Class analysis of texts; collateral reading; lectures on literature and history. Tues. and Thurs., 5:10 to 6:25 P.M. (Offered in 1940-41 and alternate years.)
- †197-98 *Proseminar: Readings for the Major in Spanish American Literature* (3-3) Corliss  
Conferences and group discussions. Hours to be arranged.
- †199-200 *Proseminar: Readings for the Major in Spanish Literature* (3-3) Alonso  
Conferences and group discussions. Hours to be arranged.

## THIRD GROUP

- †225-26 *Seminar in Spanish Literature* (3-3) Doyle  
The topic for 1940-41 will be the Spanish drama of the Golden Age (sixteenth and seventeenth centuries). Prerequisite: a second-group course in Spanish literature. Thurs., 5:10 to 7:00 P.M. (Offered in 1940-41 and alternate years.)
- †227-28 *Seminar in Spanish American Literature* (3-3) Corliss  
Prerequisite: a second-group course in Spanish or Spanish American literature; Spanish 127-28 is recommended. (Offered in 1941-42 and alternate years.)
- †249-50 *Old Spanish* (3-3) Doyle  
Literature and philology: *Poema del Cid*, *Libro de Buen Amor*, *Conde Lucanor*, etc.; Menéndez Pidal's *Manual elemental de gramática histórica española* and Ford's *Old Spanish Readings*. Prerequisite: a second-group course in Spanish literature; an elementary knowledge of Latin. (Offered in 1941-42 and alternate years.)
- 299-300 *Thesis* (3-3) The Staff

ROMANCE LANGUAGES  
SPECIAL METHOD COURSE

- 176 *Teaching of Romance Languages* (2) Doyle  
Current methods and materials. Hours to be arranged. (Not offered in 1940-41.)

## SOCIOLOGY

Carl Douglas Wells, B.D., Ph.D., *Associate Professor of Sociology,  
Executive Officer*

James Allen Nolan, Ph.D., *Lecturer in Sociology*

*The major.*—Prerequisite: Sociology 27 and 28. Required: twenty-four semester-hours of second- and third-group courses in Sociology. With special permission, a maximum of six semester-hours of the following closely related courses may be counted toward the major: Economics 141, 142, and 146; History 171-72; Philosophy 132; Psychology 125, 151, and 154; Statistics 102. Additional courses from this list are highly recommended as electives.

### FIRST GROUP

27 *Organization of Society* (3) Wells

The origin and development of culture; man's social nature; types of groups and social institutions; social processes; social change and social control. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 5:10 P.M.

Summer Sessions 1940 (3)—daily except Sat., 7:30 A.M., nine weeks' term.

28 *Problems of Society* (3) Wells

Geographic and population problems; psycho-physical problems; problems of race and nativity, social institutions, and social control. Section A: Mon., Wed., and Fri., 10:10 A.M.; section B: Mon., Wed., and Fri., 5:10 P.M.

Summer Sessions 1940 (3)—daily except Sat., 8:30 A.M., nine weeks' term.

### SECOND GROUP

121 *Educational Sociology* (3) Wells

The relation of the school to the community; school culture; social control in the school; sociological principles for the construction of the curriculum. Mon., Wed., and Fri., 11:10 A.M.

Summer Sessions 1940 (2). By special arrangement with the instructor three credits may be earned. Daily except Sat., 5:10 P.M.

125 *Rural Sociology* (3) Wells

The origin and development of rural culture; types of rural communities; rural social institutions and personalities; relation to city life; present rural problems and rural planning. Mon., Wed., and Fri., 6:10 P.M.

- 126 *Urban Sociology* (3) Wells  
The origin and growth of cities; types of cities; their social structure, composition, functions, and problems; urban personalities and institutions; urbanization and social control; city planning. Mon., Wed., and Fri., 6:10 P.M.
- 135 *Child-Welfare Problems* (3) Nolan  
Social aspects of infant and child morbidity and mortality; socializing the child through the home, play group, and school; the physically handicapped child; dependent children; child labor; juvenile delinquency. Tues. and Thurs., 6:10 to 7:25 P.M.
- 136 *Criminology* (3) Nolan  
The nature, types, and distribution of crime; causes of criminal behavior; the machinery of justice; types of treatment; recidivism; rehabilitation; crime-prevention programs. Field trips will be made to local penal institutions. Tues. and Thurs., 6:10 to 7:25 P.M.
- 145 *Social Control* (3) Wells  
History of social control; the systems, techniques, and fields of social control; social control and the future of civilization. Mon., Wed., and Fri., 6:10 P.M. (Offered in 1941-42 and alternate years.)
- 146 *Social Planning* (3) Wells  
Utopian social planning; sociological principles basic to sound social planning; fields of present growth in social planning; social planning and the New Deal; limitations of social planning. Mon., Wed., and Fri., 6:10 P.M. (Offered in 1941-42 and alternate years.)
- 176 *The Modern Family* (3) Wells  
Biological and historical backgrounds; role of the family in development of personality and society; modern problems of celibacy, courtship, marriage relations, economic adjustment, parent-child relations; family disorganization and reorganization. Mon., Wed., and Fri., 11:10 A.M.
- 199-200 *Proseminar for Major Students* (3-3) Wells  
Hours to be arranged.
- THIRD GROUP
- 215-16 *Seminar* (3-3) Wells  
Community studies and other types of original research. Hours to be arranged. (Not offered in 1940-41.)
- 299-300 *Thesis* (3-3) Wells



## STATISTICS

Frank Mark Weida, Ph.D., *Professor of Statistics, Executive Officer*

John Randolph Rigglesman, Ph.D., *Lecturer in Statistics*

Walter Frederick Crowder, Ph.D., *Lecturer in Statistics*

Solomon Kullback, Ph.D., *Lecturer in Statistics*

William Fairweather Boardman, M.S., C.E., *Associate in Statistics*

*Minimum requirements for the major.*—Prerequisite: Mathematics 11, 12, 19, and 20; Psychology 1 and 2; an introductory course in one of the Social Sciences, one of the Biological Sciences, or one of the Physical Sciences. Required: an understanding of the underlying mathematical theory employed to characterize, compare, and elucidate quantitative or qualitative measurements which is found in (1) the history of statistics, (2) characterization numbers, (3) correlation, (4) frequency distributions and time series, (5) graphical analysis, and (6) collection and presentation of statistical data; a minimum of twenty-four semester-hours of second-group courses in departments unrelated to Statistics. For further details, see the pamphlet on this subject or consult the adviser.

*Fees.*—For a statement of laboratory fees, see page 21.

### FIRST GROUP

#### †1-2 *Elementary Statistics* (3-3)

Weida and Staff

Introduction to scientific method used in gathering and tabulating properties and measures of attributes: the elementary principles of their analysis and their limitations and interpretations in various fields of knowledge. Prerequisite: at least one entrance unit in Algebra. Lecture—section A: Tues. and Thurs., 11:10 A.M.; section B: Mon. and Wed., 5:10 P.M. Laboratory—section M: Tues. and Thurs., 12:10 to 1:00 P.M.; section N: Mon., 7:10 to 9:00 P.M.; section O: Tues., 7:10 to 9:00 P.M.

### SECOND GROUP

#### †101-2 *Economic and Sociological Statistics* (3-3)

Weida and Staff

The use of statistics in economics, business, and sociology: sources of data; collecting and assembling of statistics; tabulation; graphical analysis; averages; measures of dispersion; frequency distributions; index numbers; time series; the normal curve; correlation. Prerequisite: at least one entrance unit in Algebra. Lecture—Tues. and Thurs., 5:10 P.M. Laboratory—section P: Wed., 7:10 to 9:00 P.M.; section Q: Thurs., 7:10 to 9:00 P.M.; section R: Fri., 7:10 to 9:00 P.M.

Summer Sessions 1940 (3-3)—daily except Sat., 6:10 to 8:00 P.M., nine weeks' term (Weida).

**103 *Charts and Graphs* (3)**

The construction and use of statistical charts, graphs, and maps, particularly in the fields of economics, business, and sociology. Special attention is given to requirements for reproduction and publication. Prerequisite: Statistics 101-2. (Not offered in 1940-41.)

**104x *Advanced Economic and Sociological Statistics* (3) Kullback**

An advanced study of correlation analysis and frequency analysis; an advanced study of sources, their uses and limitations; a thorough study of the problems of practical sampling and the methods of analysis. Prerequisite: Statistics 101-2. Offered first semester. Mon., Wed., and Fri., 6:10 P.M.

**105 *Actuarial Theory* (3)**

The theory and techniques of life annuities, life insurance, group insurance, industrial insurance, accident and health insurance, and fraternal insurance. The course is designed to prepare students for the examinations of the actuarial societies. Prerequisite: Mathematics 20. (Not offered in 1940-41.)

**106 *Statistical Analysis of Economic Fluctuations* (3) Crowder**

An advanced study of the methods and problems of analyzing prices and price movements, production, employment, and cost of living; the technique of analyzing business cycles and structural changes in the economy; a survey of the attempt to forecast business changes. Prerequisite: Statistics 101-2; Economics 1-2. Tues. and Thurs., 5:10 P.M.; third hour to be arranged.

**107x *Econometrics* (3)**

Weida

The mathematical methods applied by classical and modern writers to the fundamental equations of exchange, production, supply and demand, utility and disutility, and interest and taxation. Prerequisite: Statistics 101-2; Mathematics 20. Hours to be arranged.

**108 *Theory of Investment* (3)**

Interest and discount; annuities; amortization and sinking funds; valuation of bonds; depreciation; building and loan associations. Prerequisite: at least one entrance unit in Algebra. (Not offered in 1940-41.)

109 *Elementary Theory of Life Insurance* (3)

Life annuities; net premiums for simple forms of life insurance; valuation of life-insurance policies. Prerequisite: at least one entrance unit in Algebra. (Not offered in 1940-41.)

111 *Index Numbers* (3)

Crowder

Various types of index numbers developed and compared, with emphasis on their meaning and utility; methods of weighting; the reversal and circular tests; speed of calculation and other practical considerations. Prerequisite: Statistics 101-2. Tues. and Thurs., 5:10 P.M.; third hour to be arranged.

112 *Mechanical Tabulation* (3)

The theory and use of the various sorting and tabulating machines; code cards and their preparation for particular and extensive types of analysis. Prerequisite: Statistics 101-2. (Not offered in 1940-41.)

†113-14 *Business and Government Statistics* (3-3)

Sources and significance of common external statistics; collection and analysis of internal data; application of statistical technique in forecasting, market analysis, time and wage studies; investment analysis, price situations, and other business and government problems. Prerequisite: Statistics 101-2. (Not offered in 1940-41.)

115 *Applied Sampling* (3)

Riggleman

Review of the theory of sampling and its application and limitations in economic, business, and social problems; detailed consideration of stratified and directed sampling; practical exterior tests of reasonableness, representativeness, and adequacy. Prerequisite: Statistics 101-2. Tues. and Thurs., 6:10 to 7:25 P.M.

116 *Organization and Management in Statistical Work* (3)

Riggleman

Planning projects; estimating costs; conducting surveys; use of mechanical equipment; organization of a statistical department; selection and management of personnel. Prerequisite: Statistics 101-2. Tues. and Thurs., 6:10 to 7:25 P.M.

†131-32 *Statistics in Psychology and Education* (3-3)

Weida and Staff

The use of statistics in psychology and education; sources of data; collection and assembling of statistics; tabulation; graphical analysis; averages; measures of dispersion; frequency distributions; intelligence and achievement quotients; the normal curve; correlation. Prerequisite: at least one entrance unit in



Algebra. Lecture—Tues. and Thurs., 6:10 P.M. Laboratory—section N: Tues., 7:10 to 9:00 P.M.; section O: Thurs., 7:10 to 9:00 P.M.

**133 Factor Analysis (3)**

Weida

The resolution of mental abilities into factors; the two-factor theory; the multiple-factor theory; tetrads and tetrad differences; tetrad correlation and reliability; overlapping variables. Prerequisite: Statistics 131-32. Hours to be arranged.

**135 Introduction to Statistics in Psychology and Education (3)**

Weida

Graphical presentation; tabulation; averages; measures of representativeness, reliability, and variation; simple correlation. Prerequisite: at least one entrance unit in Algebra. Mon., Wed., and Fri., 11:10 A.M.

Statistics 135x—same as Statistics 135, but offered second semester. Mon., Wed., and Fri., 6:10 P.M. (Kullback).

Summer Sessions 1940 (3)—daily except Sat., 5:10 P.M., nine weeks' term (Weida).

**155 The Method of Least Squares and Theories of Error (3)**

Differences and interpolation; moment coefficients; Sheppard's corrections; the Normal and other error functions; Legendre's principle; likelihood; practical Fourier analysis; confidence intervals; chi-test; graduation. Prerequisite: Mathematics 20. Hours to be arranged. (Not offered in 1940-41.)

**156 Biometry (3)**

Kullback

Statistics derived from living things, or things which have at some time been living; the data and laws of human mortality, morbidity, and demography. Prerequisite: Mathematics 20 and a basic course in the field of application. Tues. and Thurs., 5:10 P.M.; third hour to be arranged.

**157 Intermediate Theoretical Statistics (3)**

Problems and concepts of mathematical statistics; simple sampling; frequency functions of one variable; correlation surface; random-sampling fluctuations; Lexis theory; Gram-Charlier series. Prerequisite: Mathematics 20. (Not offered in 1940-41.)

**159 Curve Fitting (3)**

Empirical and graduation formulas; Pearson and other systems of curves; Fourier analysis; Thiele's semi-invariants. Prerequisite: Mathematics 20. (Not offered in 1940-41.)

160x *Analysis of Variance* (3)

Kullback

A simple technique for segregating from comparable groups of data the variation traceable to specific sources; a method to estimate the experimental error freed of that part of the variability of which the origin is known. Prerequisite: Statistics 101-2. Tues. and Thurs., 5:10 P.M.; third hour to be arranged.

165 *Design of Experiment* (3)

The principles of experimentation; validity and randomisation; systematic squares; confounding; concomitant measurements; fiducial probability; various estimates of error. Prerequisite: Statistics 157 or the equivalent. (Not offered in 1940-41.)

167 *Labor Statistics* (3)

The description and analysis of unemployment, its duration and sources; labor productivity; labor turnover; industrial accidents; industrial disputes. Prerequisite: Statistics 101-2. (Not offered in 1940-41.)

168 *Labor Statistics* (3)

The description and analysis of prices; cost of living; wages and hours; age statistics; social-security statistics. Prerequisite: Statistics 101-2. (Not offered in 1940-41.)

169 *History of Statistics* (3)

The origin, development, and importance of various statistical conceptions; the work and life of the contributors to statistical theory and practice. Prerequisite: Statistics 101-2, 157, and 165, or their equivalent. (Not offered in 1940-41.)

†197-98 *Inservice Seminar* (2-2)

This seminar is devoted to the study, analysis, and discussion of problems and research of interest and value to groups of individuals who have a common interest. Admission by permission of the instructor. (Not offered in 1940-41.)

†199-200 *Proseminar: Theoretical and Applied Statistics* (3-3) Weida

This course is designed to coordinate the content of the baccalaureate major. Admission by permission of the instructor. Hours to be arranged.

## THIRD GROUP

†201-2 *Trend Analysis of Statistics* (3-3)

Weierstrass' theorem; fitted polynomials; data sums and averages; factorial moments; orthogonal systems; function param-

eters; moment-equivalence conditions for function arcs. Prerequisite: Statistics 101-2; Mathematics 20. (Not offered in 1940-41.)

†255-56 *Probability (2-2)*

Weida

Scope; classical definition, limit definition; Bayes' theorem; Bernoulli's theorem; expectation; law of large numbers; probabilities in continuum; limit theorems; distribution laws. Admission by permission of the instructor. Mon. and Wed., 6:10 P.M.

†257-58 *Advanced Theoretical Statistics (3-3)*

Contour integrals; characteristic functions; matrices; quadratic forms; sampling theory; measures of relation; contingency analysis; maximum likelihood; Thiele semi-invariants; individual differences. Admission by permission of the instructor. (Not offered in 1940-41.)

261 *Interpolation (3)*

Weierstrass' theorems; displacement symbols and differences; interpolation formulas in one and several variables with remainder term and applications; factorial coefficients; Bernoulli and other numbers and polynomials. Admission by permission of the instructor. (Not offered in 1940-41.)

262 *Numerical Integration and Differentiation (3)*

Various differentiation and summation formulas; mechanical quadrature; numerical integration of differential equations; numerical solution of integral equations; mechanical cubature. Admission by permission of the instructor. (Not offered in 1940-41.)

263 *Statistical Inference (3)*

Sample space; methods for estimating population parameters; fiducial inference and its application to testing hypotheses; Neyman-Pearson theory of testing hypotheses. Admission by permission of the instructor. (Not offered in 1940-41.)

264 *Multivariate Analysis (3)*

Multivariate normal distribution; sample variances and covariances; tests of significance; problems of estimation. Admission by permission of the instructor. (Not offered in 1940-41.)



†265-66 *Characteristic Functions, Theory and Applications* (2-2)

Kullback

Fourier integrals; set functions; inversion formulas; limit theorems; applications to the distribution problem in statistics. Admission by permission of the instructor. Mon. and Wed., 5:10 P.M.

†297-98 *Seminar: Theoretical and Applied Statistics* (3-3)

Weida

Reading and research in theoretical and applied statistics. Admission by permission of the instructor. Hours to be arranged.

†299-300 *Thesis* (3-3)

The Staff

Hours to be arranged.

## SURGERY

- Charles Stanley White, M.D., *Professor of Surgery, Executive Officer*  
 Daniel LeRay Borden, A.M., M.D., *Associate Professor of Surgery*  
 Harry Hyland Kerr, M.D.C.M., *Clinical Professor of Surgery*  
 Paul Stirling Putzki, M.D., *Clinical Professor of Surgery*  
 Arch Lockhart Riddick, B.S., M.D., *Clinical Professor of Surgery*  
 William Berry Marbury, M.D., *Clinical Professor of Surgery*  
 Custis Lee Hall, M.D., *Clinical Professor of Surgery*  
 James Ross Veal, A.B., M.D., *Adjunct Clinical Professor of Surgery*  
 John Hugh Lyons, M.S., M.D., *Assistant Professor of Surgery*  
 Herbert Hermann Schoenfeld, M.D., *Assistant Professor of Surgery*  
 William Warren Sager, M.S., M.D., *Assistant Professor of Surgery*  
 Cline N. Chipman, M.D., *Associate in Anesthesia*  
 Guy Whitman Leadbetter, B.S., M.D., *Associate in Surgery*  
 Benjamin Franklin Dean, Jr., M.S., M.D., *Associate in Surgery*  
 Alec Horwitz, M.S., M.D., *Associate in Surgery*  
 Richard Knight Thompson, D.D.S., *Associate in Dental Surgery*  
 Charles Wilbur Hyde, M.D., *Clinical Instructor in Anesthesia*  
 Francis George Speidel, M.D., *Clinical Instructor in Anesthesia*  
 Philip Oscar Pelland, M.D., *Clinical Instructor in Surgery*  
 Stewart Maxwell Grayson, M.D., *Clinical Instructor in Surgery*  
 Nathan Norman Smiler, M.D., *Clinical Instructor in Surgery*  
 Edward Alexander Cafritz, M.D., *Clinical Instructor in Surgery*  
 Hazen Eugene Cole, B.S., M.D., *Clinical Instructor in Surgery*  
 Crenshaw Douglas Briggs, B.S., M.D., *Clinical Instructor in Surgery*  
 William Wiley Chase, A.B., M.D., *Clinical Instructor in Surgery*  
 Julius Salem Neviasser, A.B., M.D., *Clinical Instructor in Surgery*  
 James Lloyd Collins, A.B., M.D., *Clinical Instructor in Surgery*  
 William Ross Morris, M.D., *Clinical Instructor in Surgery*  
 Arthur James Mourore, B.S., M.D., *Clinical Instructor in Surgery*  
 Donald Harrison Stubbs, A.M., M.D., *Clinical Instructor in Surgery*  
 William Carey Meloy, M.D., *Clinical Instructor in Surgery*  
 Joseph Francis Conlon, D.D.S., *Clinical Instructor in Dental Surgery*

- 138 *Introductory Surgical Clinics (elective)* White and Staff  
Obvious and classical cases are presented to the students, whose background of the structure of the body serves to give them an understanding of the cases. Two hours a week.
- 279 *General Surgery* Borden  
Course of lectures and recitations covering surgical diseases of the neck and chest, herniae, amputations, and pre- and post-operative treatment. One hour a week for twenty-eight weeks.
- 281 *Anesthesia (elective)* Chipman  
Theoretical and practical instruction is given in the use of general and local anesthetic agents. One hour a week for nine weeks.
- 282 *Fractures and Dislocations* Leadbetter  
One hour a week.
- 283 *Surgical Technique* Marbury  
This course comprises a series of demonstrations of surgical instruments and appliances, with a practical demonstration of their uses. The preparation of the patient, the operating room, the materials commonly used, and the duties of each member of an operating team are carefully presented, with the detailed consideration of minor operations and the post-operative management and complications. As far as possible, the lectures will be supplemented by clinical application. One hour a week.
- 371-72 *General Surgery* Putzki, Riddick  
Course of lectures and recitations covering surgery as applied to the neck, thorax, gastro-intestinal tract, and the bones and skeletal muscles. One hour a week.
- 373-74 *Ward Walks* The Staff  
Well-organized group ward-rounds are made with the visiting physicians and their respective staffs in the course of their usual rounds. Gallinger and Emergency hospitals.
- 375-76 *Surgical Clinic* The Staff  
Clinical teaching and demonstrations on the care of the various surgical diseases, with special emphasis on the pre- and post-operative management. Gallinger and Emergency hospitals.
- 379-80 *Surgical Clinic* White and Staff  
Demonstration to the entire class of the various surgical diseases, with stress upon the differential diagnosis and pre- and post-operative care. Gallinger Hospital. One hour a week.



**381-82 Clinical Clerkship****The Staff**

The students are assigned and required to work up thoroughly the cases for diagnosis and treatment. Gallinger and Emergency hospitals.

**478 Orthopedics (elective)****Hall**

The course includes the etiology, pathology, symptomatology, and treatment of congenital and acquired diseases of the bones and joints, and the clinical instruction in treatment and in the use of appliances for the correction of deformities. One hour a week.

**479-80 Private Practice of Surgery (elective)****White and Staff**

Students who elect this course will be given instruction in the private offices of various members of the staff, where they may observe the private practice of surgery.

**481 General Surgery****White**

One hour a week.

**483-84 Dispensary Clinic****The Staff**

Dispensary instruction in the principles and practice of surgery. Instruction of small groups is given in general surgery and the specialties, including anesthesia, neurosurgery, orthopedics, proctology, and oral surgery. University and Emergency hospitals.

**485-86 Special Problems in Surgery (elective)****Sager, Dean**

This course is devoted to general surgical diagnosis, with special emphasis on the diagnosis and differential diagnosis of surgical diseases and post-operative complications. One hour a week.

**488 Surgical Clinic****White and Staff**

Demonstration to the entire class of the various surgical diseases. One hour a week.

## UROLOGY

Frederick August Reuter, M.D., *Professor of Urology, Executive Officer*

Thomas Carlton Thompson, B.S., M.D., *Clinical Professor of Urology*

Alan Jeffries Chenery, M.D., *Associate in Urology*

Charles Perry Howze, M.D., *Associate in Urology*

Gilbert Ottenberg, A.M., M.D., *Clinical Instructor in Urology*

William Glenn Young, M.D., *Clinical Instructor in Urology*

Gerald Arthur Hopkins, B.S., M.D., *Clinical Instructor in Surgery*

### 491-92 *Urology*

Reuter

A systematic course of lectures covering the entire field of urology, including diagnosis, treatment, and morbid pathology. One hour a week.

### 493-94 *Clinics*

The Staff

Clinical teaching and demonstrations on the care of urological cases, with special emphasis on the pre- and post-operative management. Operative clinics and clinical teaching, including cystoscopy and the use of instruments. Gallinger and Children's hospitals.

### 495-96 *Clinics*

Reuter and Staff

Clinical demonstration and teaching in the dispensary, with special attention given to venereal cases. Emergency and University hospitals. One part of each section daily.

## ZOOLOGY\*

Donnell Brooks Young, Ph.D., *Professor of Zoology*

Ira Bowers Hansen, Ph.D., *Associate Professor of Zoology, Executive Officer*

Lloyd Ancil Spindler, Sc.D., *Lecturer in Zoology*

Edith Elizabeth Mortensen, A.M., *Instructor in Zoology*

Edward Albert Chapin, Ph.D., *Research Associate in Zoology*

*The major.*—Prerequisite: Zoology 1-2. The student must at the end of his senior year exhibit a correlated knowledge of the following fields: (1) classification, structure, and ecological relations of animals, both invertebrate and vertebrate; (2) embryological development and life histories of important animal types; (3) general principles of physiology, heredity, and evolution; (4) the development of biological principles, hypotheses and theories as revealed in the study of the history of Zoology.

The student will obtain this knowledge in part by taking courses offered in these fields and in part by individual study under the direction of his adviser. For further details, see the pamphlet on this subject or consult the adviser.

Premedical students are required to take Zoology 1-2.

*Fees.*—For a statement of material fees, see page 21.

### FIRST GROUP

#### †1-2 *Introduction to Zoology* (4-4)

Young, Mortensen

An introduction to the study of the structure, functions, and relation of animals, and of the fundamental biological principles involved. Section A: Tues. and Thurs., 9:10 A.M.; section B: Mon. and Fri., 5:10 P.M. Laboratory—section M: Tues. and Thurs., 11:10 A.M. to 1:00 P.M.; section N: Tues. and Thurs., 1:40 to 3:30 P.M.; section O: Mon. and Wed., 8:00 to 10:00 P.M.

Summer Sessions 1940 (4-4)—daily except Sat., 5:10 to 6:00 and 6:10 to 9:00 P.M., nine weeks' term (Mortensen).

#### †5-6 *Field Zoology* (3-3)

(Not offered in 1940-41.)

Summer Sessions 1940 (3-3)—daily except Sat., 7:00 to 8:50 A.M., and Sat. afternoon, nine weeks' term (Hansen). (Offered 1940 and alternate years.)

#### 31 *Mammalian Anatomy* (3)

Hansen

A general course designed to give training in anatomy through the dissection of the cat, with emphasis upon the body as a physi-

\* See also the Departments of Biology and Botany, pages 183 and 185.



cal machine. Comparisons with man and other common mammals will be drawn. Not intended for the premedical student. Prerequisite: Biology 1-2 or Zoology 1-2. Tues. and Thurs., 9:10 to 11:00 and Sat., 9:10 A.M.

#### SECOND GROUP

##### †101-2 *Invertebrate Zoology* (3-3)

Mortensen

A systematic study of invertebrate forms, including the study of morphology, classification, life histories, and phylogenetic relationships. Prerequisite: Zoology 1-2 or Biology 1-2. Tues. and Thurs., 7:10 to 10:00 P.M., and an occasional Sat. afternoon for field trips.

##### 133-34 *Ornithology* (3-3)

The birds of eastern North America. Tues., 5:10 P.M. Laboratory—hours to be arranged.

##### 137 *Histology* (3)

Young

An introduction to the microscopical anatomy of normal tissues and organs. Prerequisite: Zoology 1-2. Fri., 6:10 P.M. Laboratory—Mon. and Wed., 6:10 to 8:00 P.M.

##### 141-42 *Comparative Vertebrate Anatomy* (3-3)

Hansen

Lectures on the organ systems of the vertebrates; laboratory dissections of types. Prerequisite: Zoology 1-2. Section A: Fri., 9:10 A.M.; section B: Fri., 6:10 P.M. Laboratory—section M: Mon. and Fri., 1:40 to 3:30 P.M.; section N: Mon. and Wed., 6:10 to 8:00 P.M.

Summer Sessions 1940—Zoology 141 (3), daily except Sat., 6:10 to 7:00 and 7:10 to 9:00 P.M., six weeks' term.

##### 144 *Introduction to Vertebrate Embryology* (3)

Hansen

The origin and early development of the individual and the formation of organ systems. Emphasis is placed on the frog, chick, and pig, with reference to the human embryo. Prerequisite: Zoology 1-2, and 141 or 142. Section A: Wed., 9:10 A.M.; section B: Wed., 6:10 P.M. Laboratory—section M: Tues. and Thurs., 1:40 to 3:30 P.M.; section N: Mon., 6:10 to 8:00 P.M., and Wed., 7:10 to 9:00 P.M.

##### 147-48 *Experimental Morphology* (3-3)

Hansen

Lectures and class reports on experimental morphology. Prerequisite: Zoology 141-42. Mon., Wed., and Fri., 5:10 P.M. (Offered in 1941-42 and alternate years.)

**156 Parasitology (3)**

Spindler

An introduction to the study of animal parasitology, with a survey of parasitic types from protozoa through arthropods. Prerequisite: Zoology 1-2. Mon. and Wed., 6:10 to 8:00 P.M., and Fri., 6:10 P.M.

**171-72 Special Problems (3-3)**

The Staff

Written approval of the instructor is required. Hours to be arranged.

**199-200 Proseminar (3-3)**

The Staff

A course designed to correlate and supplement the work of Zoology majors. Hours to be arranged.

**THIRD GROUP****203-4 Proseminar in Invertebrate Zoology (3-3)**

Young

Mon., 7:10 to 9:00 P.M.

**†241-42 Protozoa (3-3)**

Young

An introduction to the protozoa: classification, life histories, and physiology, with special emphasis on free-living types. Hours to be arranged.

**251-52 Seminar (3-3)**

The Staff

Tues., 7:10 to 9:00 P.M.

**253-54 Research**

The Staff

Investigation of special problems. Hours and credits to be arranged.

Summer Sessions 1940—Zoology 253 (3), hours to be arranged, nine weeks' term (Hansen, Mortensen).

**299-300 Thesis (3-3)**

The Staff

**SPECIAL METHOD COURSE**

Biology 172, *Teaching of Science*





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## ALUMNI AND ALLIED ASSOCIATIONS

### THE GENERAL ALUMNI ASSOCIATION

The objects of this Association are to unite the graduates in closer sympathy and to promote the general welfare of the University. The following persons are eligible for *active* membership: graduates of any College, School, or Division of the University; holders of honorary degrees from the University; and members of the Board of Trustees and of the Faculty of the University. Any person who has matriculated, who has been in regular attendance for one year, and who has left the University in good standing, is eligible for *associate* membership.

The office of the Executive Secretary of the Association is located on the first floor of Columbian House of the University. Alumni are urged to keep the Secretary informed of changes of address or occupation and to supply information with regard to their fellow alumni.

1939-40

*President.*—Hugh H. Clegg, LL.B. 1926 (A.B. 1920, Millsaps College); 1301 Massachusetts Avenue, Washington, D. C.

#### *Vice Presidents:*

*Columbian College.*—Ermytrude Vaiden Stearns (Mrs. Robert M. Stearns), A.B. 1927, A.M. 1931; 1424 Iris Street, Washington, D. C.

*Graduate Council.*—Grace B. Holmes, M.S. 1922, Ph.D. 1925 (B.S. 1919, University of Maryland); 245 Maple Avenue, Takoma Park, Md.

*School of Medicine.*—Leslie H. French, M.D. 1924; 1726 I Street, Washington, D. C.

*Law School.*—George W. Neville, Jr., LL.B. 1929 (A.B. 1923, University of the South); Goodwin, Smith, and Neville, Shoreham Building, Washington, D. C.

*School of Engineering.*—G. Chester Thom, B.S. in E.E. 1932, B.S. in M.E. 1934; 3726 Connecticut Avenue, Washington, D. C.

*School of Pharmacy.*—Malcolm G. Gibbs, Phar.D. 1902; 77 P Street, NE., Washington, D. C.

*School of Education.*—Harriet E. Garrels, A.B. and B.Dip. in Ed. 1925, A.M. 1934; 1629 Columbia Road, Washington, D. C.

*Treasurer.*—Margaret M. Neumann, A.B. 1928; 6 East Woodbine Street, Chevy Chase, Md.



*Executive Secretary.*—Lester Allan Smith, A.B. in L.S. 1932, A.M. in L.S. 1935; 2456 20th Street, Washington, D. C.

*Executive Committee:*

Watson Davis, B.S. in C.E. 1918, C.E. 1920; 1422 Rhode Island Avenue, Washington, D. C.

Newell W. Ellison, A.B. 1917, LL.B. 1921; 701 Union Trust Building, Washington, D. C.

Bourke Floyd, A.B. 1939; Office of the Sergeant-at-Arms, United States Senate, Washington, D. C.

Willard L. Hart, LL.B. 1926 (B.S. 1919, Clemson Agricultural College); United States Court of Claims, Washington, D. C.

Oscar B. Hunter, M.D. 1912, A.B. 1916, A.M. 1917; 1835 I Street, Washington, D. C.

Frank H. Weitzel, A.B. 1931, LL.B. 1935; 2914 Tennyson Street, Washington, D. C.

THE GEORGE WASHINGTON UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society, the organization of graduates of the School of Medicine, was established in 1905 and since 1926 the Society has been affiliated with the General Alumni Association. Its purposes are to cultivate friendly relations between the alumni and members of the Faculty by means of social gatherings, to advance medical science, and to aid the interests of the University. Graduates of the School of Dentistry are eligible for associate membership.

1939-40

*President.*—Harry Arnold Hull McNitt, M.D. 1925, B.S. in Med. 1925, A.M. 1928; 1310 Columbia Road, Washington, D. C.

*Vice President.*—William B. King, A.B. 1921, M.D. 1925; 734 20th Street South, Arlington, Va.

*Secretary.*—Leslie H. French, M.D. 1924; 1726 I Street, Washington, D. C.

*Treasurer.*—Joseph B. Glenn, M.D. 1921, B.S. in Med. 1921; 1606 20th Street, Washington, D. C.

THE GEORGE WASHINGTON LAW ASSOCIATION

The George Washington Law Association, the organization of graduates of the Law School, was founded in 1912 and has been affiliated with the General Alumni Association since 1926. Its purposes as stated

in the constitution are to promote high standards of legal education, to keep the alumni of the Law School in closer touch with one another and especially with members of their own classes, to gather and publish at intervals information as to the whereabouts and activities of these alumni, and to further the interests of the Law School.

1939-40

*President.*—Newell W. Ellison, A.B. 1917, LL.B. 1921; 701 Union Trust Building, Washington, D. C.

*First Vice President.*—Howard C. Kilpatrick, LL.B. 1922; 912 American Security Building, Washington, D. C.

*Second Vice President.*—Mary M. Connelly, LL.B. 1922; 1700 T Street, Washington, D. C.

*Third Vice President.*—Tracy L. Jeffords, LL.B. 1888 (Ph.B. 1886, LL.D. 1908, University of Vermont and State Agricultural College); Insurance Building, Washington, D. C.

*Secretary-Treasurer.*—C. Oscar Berry, LL.B. 1932, A.B. 1933; 2500 41st Street, Washington, D. C.

*Executive Committee:*

Edward B. Beale, LL.B. 1927 (Chem.E. 1923, Lehigh University); National Press Building, Washington, D. C.

Philip F. Herrick, LL.B. 1933, LL.M. 1936 (A.B. 1929, Williams College); Tower Building, Washington, D. C.

E. Hilton Jackson, A.B. 1891, LL.B. 1892, LL.M. 1893, A.M. 1894, D.C.L. 1900; Woodward Building, Washington, D. C.

Dwight D. Taylor, LL.B. 1931 (LL.M. 1932, Georgetown University; B.S. 1934, American University); Union Trust Building, Washington, D. C.

Ernest L. Wilkinson, LL.B. 1926 (A.B. 1921, Brigham Young University; S.J.D. 1927, Harvard University); Earle Building, Washington, D. C.

THE LIBRARY SCIENCE ALUMNI ASSOCIATION

The Library Science Alumni Association was organized in 1932 by graduates of the Division of Library Science and became an affiliate of the General Alumni Association in 1935. It was established to foster a closer relationship between the Faculty and graduates and to further the interests of the Division of Library Science and of the University as a whole.

## 1940-41

*President.*—Janet Feiker, A.B. in L.S. 1935; 2137 Bancroft Place, Washington, D. C.

*Vice President.*—Mildred Benton, A.B. in L.S. 1934; 6653 Barnaby Street, Washington, D. C.

*Secretary.*—Elizabeth G. Wilson, Ex. 1934; 3409 Carpenter Street SE., Washington, D. C.

*Treasurer.*—Margaret Brown Wilson (Mrs. James A. Wilson), A.B. in L.S. 1933; 1610 C Street NE., Washington, D. C.

THE ENGINEER ALUMNI ASSOCIATION OF THE GEORGE  
WASHINGTON UNIVERSITY

The Engineer Alumni Association was organized in 1936 and has been affiliated with the General Alumni Association since that time. Its objects are to unite the graduates and Faculty of the School of Engineering in closer fellowship, to promote the general welfare of the School of Engineering and of the University at large, to foster activities of the engineering organizations recognized by the University, and to advance the profession of engineering in general.

## 1939-40

*President.*—Watson Davis, B.S. in C.E. 1918, C.E. 1920; 1422 Rhode Island Avenue, Washington, D. C.

*Vice President.*—Clarence Bruce, B.S. in M.E. 1929; 1725 Lanier Place, Washington, D. C.

*Secretary-Treasurer.*—Lawrence G. Walter, B.S. in E.E. 1932; 3114 38th Street, Washington, D. C.

*Corresponding Secretary.*—Lewis W. Klopfer, B.S. in Eng. 1931; 1410 Locust Road, Washington, D. C.

*Executive Committee:*

Roy F. Carty, B.S. in M.E. 1911, M.E. 1912; 1608 14th Street, Washington, D. C.

Benjamin C. Cruickshanks, B.S. in M.E. 1920; 5733 4th Street, Washington, D. C.

Otis L. Turner, B.S. in M.E. 1932; West Falls Church, Va.



THE GEORGE WASHINGTON UNIVERSITY NURSES ASSOCIATION

The George Washington University Nurses Association was organized in 1914. In 1936 this organization was made an integral part of the General Alumni Association, and graduates of the School of Nursing were accorded associate membership. The objects of the Association are to hold in unison the graduates of the George Washington University Hospital School for Nurses, to care for its sick members, and to promote the advance of nursing in the interest of the George Washington University Hospital.

1940-41

*President.*—Loretta Culp Parsons (Mrs. Loretta C. Parsons), N.Cert. 1931; 212 21st Street NE., Washington, D. C.

*Vice President.*—Valonta Watkins, N.Dip. 1928; 2514 Q Street, Washington, D. C.

*Secretary.*—Mary Schmid Kelly (Mrs. Winfield S. Kelly), N.Dip. 1929; 1737 Hobart Street, Washington, D. C.

*Treasurer.*—Jane Ridenour Terry (Mrs. William F. Terry, Jr.), N.Cert. 1931; the George Washington University Hospital, Washington, D. C.

REGIONAL ALUMNI CLUBS

1939-40

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF ARKANSAS

*President.*—Julius A. Tellier, LL.B. 1905 (A.B. 1902, University of Vermont and State Agricultural College); 727 Pyramid Building, Little Rock, Ark.

*Vice President.*—Walter L. Brown, LL.B. 1920; Courthouse, El Dorado, Ark.

*Secretary-Treasurer.*—H. Howard Cockrill, LL.B. 1933 (B.S. 1931, University of Virginia); 825 Pyramid Building, Little Rock, Ark.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF BALTIMORE

*President.*—Judge Harvey C. Bickel, LL.B. 1914; 310 Southway, Guilford, Baltimore, Md.

*Secretary.*—Marie O'Dea, A.B. 1923, M.S. in Chem. 1923; 230 South Monastery Avenue, Baltimore, Md.

*Treasurer.*—Archibald L. Russell, A.B. 1928; Windsor Court Apartments, Baltimore, Md.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF CHICAGO

*President.*—Elbert H. Loyd, LL.B. 1904 (A.B. 1899, Colgate University); 2457 East 73d Street, Chicago, Ill.

*Vice President.*—Charles T. Shanner, A.B. 1929, LL.B. 1930; Suite 1430, 33 South Clark Street, Chicago, Ill.

*Secretary-Treasurer.*—Samuel W. Kipnis, LL.B. 1926; 1414 Monadnock Building, 53 West Jackson Boulevard, Chicago, Ill.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF CINCINNATI

*President.*—Rev. Dr. David R. Covell, A.B. 1910, A.M. 1914, L.H.D. 1935 (B.D. 1916, General Theological Seminary); 2200 Victory Parkway, Cincinnati, Ohio

*Secretary.*—Charles N. Moore, M.S. 1905, Sc.D. 1932 (A.B. 1903, University of Cincinnati; Ph.D. 1908, Harvard University); University of Cincinnati, Cincinnati, Ohio

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF CLEVELAND

*President.*—Alvin J. Pearson, LL.B. 1895; Standard Building, Cleveland, Ohio

*Vice President.*—Edward J. Brunenkant, LL.B. 1921; 1521 NBC Building, Cleveland, Ohio

*Secretary-Treasurer.*—Lillian C. Belden, LL.B. 1924 (Ph.B. 1913, Hiram College); 1732 Standard Building, Cleveland, Ohio

*Executive Committee:*

Emanuel M. Davidove, LL.B. 1923; NBC Building, Cleveland, Ohio

Lucile M. Wunderlich, LL.B. 1925; 1001 Huron Road, Cleveland, Ohio

George D. Bonebrake, A.B. 1924, LL.B. 1925; 1759 Union-Commerce Building, Cleveland, Ohio

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF DALLAS

*President.*—Harold M. Young, A.B. 1926; 602 Chamber of Commerce Building, Dallas, Tex.

*Vice President.*—George E. Hughes, LL.B. 1922; United States Veterans Administration, Waco, Tex.

*Secretary-Treasurer.*—Christine L. Landers, Ex-1929; 4033 Hanover Street, Dallas, Tex.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF DENVER

*President.*—Leslie E. Bratton, LL.B. 1915 (Graduate 1907, U. S. Naval Academy), Commander, U. S. N. (retired); Capitol Life Insurance Company, Denver, Colo.

*Secretary-Treasurer.*—Ronald A. Silver, A.B. 1925; Box 960, Denver, Colo.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF DETROIT

*President.*—Franklin C. Knock, LL.B. 1922; 9th Floor, David Statt Building, Detroit, Mich.

*Vice President.*—Robert C. Wilson, LL.B. 1927; 15296 Cleveland Street, Allen Park, Mich.

*Secretary-Treasurer.*—Louis M. Hopping, A.B. 1924, LL.B. 1927; 11996 Indiana Avenue, Detroit, Mich.

*Corresponding Secretary.*—Laurette McKendree, A.B. 1921; 246 Madison Street, Detroit, Mich.

*Publicity Agent.*—Karl B. Lutz, LL.B. 1924, M.P.L. 1925 (A.B. 1920, Bethany College, West Virginia); 680 Rivenvak, Birmingham, Mich.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF  
KANSAS CITY

*President.*—Edward L. Scheufler, A.B. 1922, LL.B. 1924; 1503 Commerce Building, Kansas City, Mo.

*Vice President.*—Joseph A. Horigan, Phar.D. 1885, M.D. 1888; 5 East 54th Terrace, Kansas City, Mo.

*Secretary.*—Conger R. Smith, LL.B. 1911; Temple Building, 904 Grand Avenue, Kansas City, Mo.

*Treasurer.*—Albert F. Hillix, LL.B. 1924 (A.B. 1920, University of Missouri); 1007 Bryant Building, Kansas City, Mo.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF  
LOS ANGELES

*President.*—Charles A. Sunderlin, LL.B. 1908 (A.B. 1907, University of Nebraska); 206 South Spring Street, Los Angeles, Calif.



*Secretary.*—Albert S. Chase, Jr., M.D. 1932 (A.B. 1928, University of Southern California); 1930 Wilshire Boulevard, Los Angeles, Calif.

*Treasurer.*—Kenneth C. Wiseman, LL.B. 1922; 723 Rowan Building, Los Angeles, Calif.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF  
MILWAUKEE

*President.*—Eleánore Cushing, M.D. 1916; 1432 North Humboldt Avenue, Milwaukee, Wis.

*Vice President.*—Morris L. Stern, LL.B. 1906; 1147 Empire Building, Milwaukee, Wis.

*Secretary.*—Arnold C. Otto, A.B. 1911, LL.B. 1913 (A.B. 1911, Lawrence College); 740 North Plankenton Avenue, Milwaukee, Wis.

*Treasurer.*—William C. Lyon, LL.B. 1922, LL.M. 1923; 2636 North 66th Street, Wauwatosa, Wis.

*Director.*—Herbert W. Cornell, LL.B. 1919 (A.B. 1908, University of Colorado); Civil Service Commission, Milwaukee, Wis.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF NEBRASKA

*President.*—Olaf W. Osnes, LL.B. 1922; 400 Brandeis Theatre Building, Omaha, Nebr.

*Vice President.*—

*Secretary-Treasurer.*—Howard Kennedy III, LL.B. 1935; First National Bank Building, Omaha, Nebr.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF NEW YORK

*President.*—Fritz von Briesen, LL.M. 1901, D.C.L. 1902 (A.B. 1895, Harvard; LL.B. 1897, New York University); 49 Wall Street, New York City

*Vice President.*—Nelson Littell, A.B. 1920, LL.B. 1922; 22 East 40th Street, New York City

*Secretary.*—Vernon L. Brown, A.B. 1927; 225 Lincoln Place, Brooklyn, N. Y.

*Corresponding Secretary.*—John B. Lathrop, A.B. 1934; 16 Emerson Avenue, Harrison, N. Y.

*Treasurer.*—George M. Pollard, A.B. 1934, A.M. 1939; 15 William Street, New York City

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF  
OKLAHOMA CITY

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*Secretary.*—Charles A. LaFarge, J.D. 1937 (A.B. 1929, Stanford University); 1505 Exchange Building, Seattle, Wash.

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*Vice President.*—John Jensen, LL.B. 1909 (A.B. 1906, University of Utah); 920 Continental Bank Building, Salt Lake City, Utah

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*Vice President.*—Paris T. Houston, LL.B. 1935 (A.B. 1930, Lincoln Memorial University); 815 North Fillmore Street, Arlington, Va.

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THE GRADUATE ENDOWMENT FUND

The Graduate Endowment Fund was founded by the classes of 1926 with the object of providing endowment to be used for the development

of the University. Membership is limited to seniors and graduates who sign a pledge of \$100, payable annually in ten equal installments.

The pledge notes and funds are held in trust. When the principal reaches the sum of \$100,000, the Board of Administrators of the Fund may pay to the University such sums as it may vote for erection of buildings, acquisition of sites, maintenance, and purchase of equipment. At no time may money be drawn so as to leave a balance of less than \$50,000 on deposit.

On request, the Alumni Secretary of the University will furnish pledge blanks to alumni.

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*Vice Chairman.*—Margaret Maize Boaz (Mrs. Noble Boaz), A.B. 1928; 15 Old Chester Road, Bethesda, Md.

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Arthur F. Johnson, M.E. 1915; 1021 Oakcrest Road, Arlington, Va.

*Executive Secretary.*—Lester Allan Smith, A.B. in L.S. 1932, A.M. in L.S. 1935; The University

#### THE COLUMBIAN WOMEN

The objects of this organization are (1) the promotion of acquaintance among its members; (2) the advancement of women by the founding of scholarships in the various departments of the University, and by every other possible means; and (3) the promotion of the interests of the University in every way.

#### MEMBERSHIP

1. The following persons shall be eligible for active membership: (a) any woman who for one year has been a regularly registered student in The George Washington University, provided that she shall have received credit for thirty hours of work; (b) any woman member of the Faculties, Council, or Board of Trustees; any woman on the administrative staff; the wife of recognized head of the household of any member of the Faculties, Council, Board of Trustees, or of the administrative staff; (c) any woman recipient of an honorary degree from the University.

\* Elected by the subscribers.

2. The following persons shall be eligible for associate membership;
  - (a) any graduate woman student upon her registration in the University;
  - (b) the wife of any graduate man student upon the registration of the latter in the University.

Associate members shall have all privileges and obligations of membership except those of voting and holding office.

1939-40

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*Historian.*—Sara R. Lerch, A.B. and B.Dip. in Ed. 1927, A.M. 1928; 1526 17th Street, Washington, D. C.



## HONOR SOCIETIES

*Phi Beta Kappa*.—Senior and junior students who are candidates for the degree of Bachelor of Arts or Bachelor of Science in Columbian College (in exceptional cases, senior and junior students in other non-professional divisions of the University) and who have shown broad cultural interests, distinguished scholarly achievement, high character, general promise, and scholarly ideals may, to a number not exceeding 15 per cent of a class, be elected to membership by the Faculty members of the Alpha Chapter of the District of Columbia.

*Sigma Xi*.—A national scientific honor society, the purpose of which is to encourage original investigation in science pure and applied. Outstanding graduate students in the sciences are eligible for full membership, and undergraduates who have shown marked ability in research may be elected to associate membership.

*Order of the Coif*.—A national legal society, the purpose of which is to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship

*Sigma Tau*.—A national engineering fraternity, the purpose of which is to recognize scholarship and professional attainment

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*Alpha Lambda Delta*.—A national fraternity established to encourage and reward high scholarship and attainment, membership in which is limited to those freshman women who attain a scholastic average of at least 3.50.

*Artus*.—A national economics society

*Delphi*.—An intersorority society

*Delta Sigma Rho*.—A national forensic honor society

*Gate and Key*.—An interfraternity society

*Iota Sigma Pi*.—A national honorary chemical society for women

*Kappa Kappa Psi*.—A national honorary fraternity, the purpose of which is to encourage good fellowship, leadership, scholarship, and musical ability among college band members

*Mortar Board*.—A national honorary society for senior college women, stressing leadership, scholarship, and service

*Omicron Delta Kappa*.—A national fraternity emphasizing leadership in extracurricular activities

*Phi Eta Sigma*.—A national fraternity established to encourage and reward high scholarship and attainment, membership in which is limited to those freshman men who attain a scholastic average of at least 3.50

*Pi Gamma Mu.*—A national social-science society

*Pi Lambda Theta.*—A national honorary fraternity for women in the field of education

*Sigma Gamma Epsilon.*—A national honorary geology fraternity

*Sigma Pi Sigma.*—A national honorary physics fraternity

*Smith-Reed-Russell Society.*—A scholastic society in the School of Medicine. Students of the third and fourth years who maintain a scholastic average of 86 per cent are eligible for associate membership.

*William Beaumont Medical Society.*—A society founded with the object of encouraging and stimulating medical students in work of individual investigation

## STUDENT ORGANIZATIONS

### PROFESSIONAL FRATERNITIES

Alpha Chi Sigma (chemistry), Alpha Epsilon Iota (medicine), Alpha Kappa Kappa (medical men), Alpha Kappa Psi (commerce and economics), Alpha Pi Epsilon (home economics), Chi Upsilon (geology), Delta Phi Epsilon (foreign service), Delta Theta Phi (law), Kappa Beta Pi (law), Mortar and Pestle (pharmacy), Phi Alpha Delta (law), Phi Chi (medicine), Phi Delta Delta (law), Phi Delta Epsilon (medicine), Phi Delta Gamma (graduate), Phi Delta Phi (law), Phi Pi Epsilon (foreign service), Phi Sigma Rho (philosophy), Pi Delta Epsilon (journalism), Theta Tau (engineering)

### SOCIAL FRATERNITIES

Sigma Chi, Kappa Sigma, Kappa Alpha, Theta Delta Chi, Phi Sigma Kappa, Delta Tau Delta, Sigma Alpha Epsilon, Sigma Phi Epsilon, Phi Alpha, Sigma Nu, Acacia, Tau Kappa Epsilon, Phi Epsilon Pi, Tau Epsilon Phi, Alpha Mu Sigma, Alpha Epsilon Pi, Tau Alpha Omega, Tau Sigma Rho

### SOCIAL SORORITIES

Pi Beta Phi, Chi Omega, Sigma Kappa, Phi Mu, Alpha Delta Pi, Delta Zeta, Kappa Delta, Phi Sigma Sigma, Zeta Tau Alpha, Kappa Kappa Gamma

### DEPARTMENTAL CLUBS

Aesculapian Society (pre-medical), Student Bar Association, American Society of Civil Engineers, Men's Education Club, American Institute of Electrical Engineers, The Engineering Council, Le Cercle Francais Universitaire, El Club Español, German Club, Charles Clinton Swisher History Club, Home Economics Club, Mathematics Club, American Society of Mechanical Engineers, Association of Medical Students, A. F. A. King Obstetrical Society, Psychology Club, Lester F. Ward Sociological Society

### RELIGIOUS ORGANIZATIONS

Avukah, Baptist Student Union, Christian Science Organization, Episcopal Club, Luther Club, Mormon Club, Newman Club, Presbyterian Club, Wesley Club



MUSICAL ORGANIZATIONS

Girls' Glee Club, Men's Glee Club, Symphony Club, University Band

STUDENT PUBLICATIONS

*The Cherry Tree* (the annual), *The Student Handbook* (manual of University information), *The University Hatchet* (weekly newspaper).  
*The George Washington Law Review*

OTHER ACTIVITIES

Ace of Spades Bridge Club, Colonial Campus Club, Cue and Curtain Club (dramatics), Debate Council, Freshman Club, Interfraternity Council, Interfraternity Pledge Council, International Students Society, Junior Pan-Hellenic Council, Keep America Out of War Club, Literary Club, Magna Carta Club, Masonic Club, Men's Independents Organizations, Panhellenic Council, Riding Club, Rousers (cheering), Sailing Club, Student Council, Student Union, Varsity Lettermen's Club, Women's Athletic Association, Women's Fencing Club, Women Students' Government Association



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THE UNIVERSITY RECORD

1939-40



# CERTIFICATES AWARDED AND DEGREES CONFERRED

## THE JUNIOR COLLEGE

### JUNIOR CERTIFICATE

JUNE 14, 1939

Abarca, Enrique De Juan	P.R.	Dawson, Roger Ralph	Mont.
Adair, Alice Palmer	Va.	Dewey, Allen Leonard	Iowa
Adair, Emily Marguerite	D.C.	Dubinsky, Ida	D.C.
(With honors)		Duffy, Robert Carr	D.C.
Ambley, George Chester	D.C.	Eastham, Mary Frances	D.C.
Amick, Frederick Eugene	W.Va.	Foster, Roy Brandon, Jr.	Ky.
Anagnostou, Harvey Hirsch	Conn.	Edwards, John Albert	Vt.
Appert, Anna Virginia	D.C.	Ellis, Laura Hattie	Md.
(With honors)		Evans, Ethel	D.C.
Armstrong, Mary Louise	D.C.	Fenn, Mervin	D.C.
Arnold, Joseph Edward	D.C.	Fivans, Nellie Florence	D.C.
Bair, Dorothy Ruth	Mich.	Fox, Constance Madalene	D.C.
Baker, Fayar Robey, Jr.	D.C.	Folk, Marie Casson	Minn.
Bair, Olivia Ruth Nixon	D.C.	Foss, Betty Ann	D.C.
Bair, Pierre Hilding	D.C.	Gardner, Ann Elizabeth	Md.
Baker, Carl Arthur	Ohio	Galloway, John Chester	Md.
Baker, Nellie Hermiana	Ohio	Gardner, Arthur Woodworth	Ark.
Baldwin, Marvin W.	Utah	Gardner, Florence Margaret	Mass.
(With honors)		Gorman, Charles Ambrose	Mass.
Blacker, Bernard	D.C.	Graham, Annette Marie	D.C.
Blumenthal, Phyllis Ruth	Conn.	Graham, Elizabeth Ann	D.C.
Brown, Bruce Hawthorne	Ind.	Graham, Helen Barton	Md.
Brown, Carter Milburn	Md.	Green, Martha Orr	Tex.
(With honors)		Hale, Herbert Herman	D.C.
Brown, Robert Alexander, Jr.	Va.	Hall, Clara Wilson	Ill.
Brown, Linda Isabelle	D.C.	Hamm, Robert Luther	Utah
Brown, John Francis Xavier	N.Y.	Hansen, Florence Charlotte	D.C.
Brown, Alfred Bernard	D.C.	Hawthorne, Richard Glenn	Ga.
Brown, Eleanor Louise	Va.	Hewitt, Rita Teresa	Md.
Brown, Ida Vernon	Va.	Hicks, Arthur	W.Va.
(With honors)		Hime, Jack Norma	D.C.
Buck, Mervin	N.Y.	Hillman, Fred Pauline	D.C.
Burns, Paul Edmund	Pa.	Hogmiller, Chester Albert, Jr.	Va.
Burt, Betty Jeanne	D.C.	Horton, Hugh Bryan	N.Dak.
Burton, Mary Windsor	D.C.	Hudson, John Leane	Ohio
Burnett, Sue Stokely	D.C.	Irvine, William Gordon, Jr.	D.C.
(With honors)		James, Ann Florence	D.C.
Cabell, Samuel Craighead	N.C.	(With honors)	
Cairns, Joseph Crawford	Tex.	Jackson, Mabel Eleanor	D.C.
Cassell, Elizabeth Watkins	N.Y.	Jackson, Ronald Mervin	Md.
Chafer, Eugene Emory	D.C.	Kaplan, Harold Nathan	N.Y.
Cline, Philip Nye	Mich.	Karp, Sydney	N.J.
Christie, Edith Frost	Mich.	Kasson, Virginia Elizabeth	D.C.
Clark, Grant Leach	D.C.	Kasson, Betty	D.C.
Cole, Lyndall Hester	Md.	(With honors)	
Cole, Morton	D.C.	Lawrence, Patricia Jeanne	D.C.
Coleman, Oscar Eugene	Ark.	Leach, William Alfred	Conn.
Coll, Luisa Alice	D.C.	Leach, Eugene Morris	Nebr.
Cook, Martha Louise	D.C.	(With honors)	
Cook, Mary Elizabeth	N.Y.	Ludwig, Catherine Doris	D.C.
Cutrell, Frederick Dale	D.C.	(With honors)	
Cutrell, Clarence Leroy	Ariz.	MacKenzie, Alan Rudolph Seaforth	Ohio
Cutrell, Joseph William	Pa.	Madden, Margaret Elizabeth	Va.
Cross, Sydney Estey	N.Y.	Madden, Howard Leroy	Nev.
Dacy, Katherine	D.C.	Mann, Jane	D.C.



Marr, William Henderson	Md.	Sampson, Justine Ware	D.C.
Marti, Hessa Naomi	D.C.	Schepmoes, Douglas Fox	Va.
Mayhall, Edwin Joe	Ind.	Schiering, Harold Martin	N.Y.
McDonnell, Margaret Audrey	D.C.	Schwimmer, Sigmond	Ohio
Melgs, Olive Margery	D.C.	Scott, Francis Delvin, Jr.	D.C.
Mendler, Willard Robert	D.C.	Scott, Jacqueline Edwina	Md.
Menshi, Ivan Norman	D.C.	Seganish, Stanley Michael	D.C.
Merka, Frank Weaver	Tex.	Sherburne, Eleanor Estelle	Md.
Michael, Ralph Hubert, Jr.	D.C.	(With honors)	
Moatti, Nellie Atkinson	D.C.	Shirev, Ronald Leedom	D.C.
Miller, Mary Virginia	D.C.	Silkowitz, Sidney	N.Y.
Mills, Virginia Wall	D.C.	Solen, Dorothy Sylvia	D.C.
Mossman, Anna Pauline	D.C.	Skazza, Bruce	Ohio
Mott, James Joshua, Jr.	Fla.	Smith, Alan Adelbert	D.C.
Myers, Elmer Gordon	Ohio	Snoddy, Joseph Spruce	Ohio
Nauman, Irma Rose	D.C.	Snow, Robert Marshall	Md.
Nicola, Lily Irene	D.C.	Spaulding, Jeanne Beverly	Va.
Oberlin, Paul Frederick	Ohio	Spence, William Roy	D.C.
Olson, Carolyn Therese	N.J.	Steele, Sally Lois	Va.
Oshinsky, Sol	D.C.	Stevens, Mary Frances	D.C.
Palmer, Evelyn May	Md.	Stopack, Eleanor Ida	Pa.
Papenolias, Demosthenes John	D.C.	Sullivan, John Patrick	D.C.
Payne, Kirby Bosworth	D.C.	Tanner, James Dowling	Va.
Pearlmitter, Maria	N.Y.	Taylor, Nellie Smith	Md.
Perms, George Peter	D.C.	Thomas, Frances Anne	D.C.
Petta, Lucie Elizabeth	N.Y.	Timke, Helen Anna	Ind.
Pilzer, Herbert Morton	D.C.	Tomev, Jesse Cornelius	Ind.
Pond, Donald Simple	D.C.	Trueax, Alfred William	Md.
Poodle, John Courtney	D.C.	Vierling, Mabel Overton	D.C.
Prockis, Nicholas Henry	D.C.	Warren, Ruth Eleanor	Pa.
(With honors)		Weinberg, Isador Edward	D.C.
Reese, Lue Esther	D.C.	Weiss, Robert	D.C.
Richardson, George William	D.C.	Weiss, Sara Lucille	Ohio
Romer, John Joseph	Pa.	Weitzen, Edwin Hylan	D.C.
Rose, Norman	D.C.	Whipple, Frances Elizabeth	Ohio
Russell, Stuart Hamilton	Okla.	Wibby, John Darlington	Md.
Ryerson, Robert Wallace	Kans.	Youngblood, Fred Ruthven, Jr.	Ga.
Salkind, Milton Caston	Del.		

## FEBRUARY 22, 1940

Artland, Lillian Eldora	Minn.	Cramer, Robert Stanley	D.C.
Auerbach, Arnold Jacob	N.Y.	Crammer, Robert Reynolds	N.J.
Barr, Howard Daniel	D.C.	Crouch, Ruth Emeline	D.C.
Balson, Margaret MacDonald	Md.	Dahl, Hazel L.	Minn.
Baldwin, Charles Franklin, Jr.	Minn.	Davis, Courtland Harwell, Jr.	Va.
Barnaskas, Anthony Peter	N.Y.	Dawson, Gerald Richard	Md.
Bazzetti, Mary Anne	D.C.	Dean, John Joseph	N.Y.
Bedowisch, Estelle Olivia	D.C.	Delek, Andrew Paul, Jr.	Pa.
Bersand, Henri Joseph	Md.	Degnan, Mary Ellen	D.C.
Bernard, Peter Anthony	N.J.	Denny, Ethel M.	Md.
Bortnick, Morris Herman	D.C.	Deschast, Howard Homer	D.C.
Bradford, William Robert	Md.	Dresser, Evelyn Edith	N.J.
Brasel, Clara Rayne	D.C.	Easton, Edwin Marion, Jr.	Va.
Bryantson, Sueya Q.	N.J.	Eckert, Thomas Joseph	D.C.
Bruckleridge, John	Mo.	Edwards, Benjamin Franklin II	D.C.
Breed, Margaret Ella	Ill.	Elledge, Anne Moore	Minn.
Bruck, John Roy	Okla.	(With honors)	
Brown, Helen Lonsdale	D.C.	Ferrell, Marshall Hanley	Md.
Brunker, Ruth Hinkle	D.C.	Field, N. Hazel	D.C.
Backner, Melvin Daniel	D.C.	Foster, Allen Russell	D.C.
Barton, Everett Earl	Idaho	Frawley, Margaret Lenora	Pa.
Bottorff, Robert Raoul	S.Dak.	Fuller, Andres Estella	Tenn.
Carsarphen, Helen Kem	N.Y.	Gamble, Frederick Arvon	Va.
Cleaton, John Robert	Colo.	Gammion, William Howard	N.J.
Cohn, Joseph Robert	Conn.	Garber, George	Cal.
Coleman, Nicholas Trephon	D.C.	Garlick, Robert Gordon	N.Y.
(With honors)		Gendler, Herbert	D.C.
Collett, Charles Ellsworth	Minn.	Genstein, Charles	Kent.
Conner, James Rodney	Md.	Goff, Nancy A.	N.Y.
Costello, Jane Elizabeth	D.C.	Goldstein, Samuel P.	

# Degrees Conferred

363

Grady, Thomas Treutlen	Ga.	Pope, George Allan	Idaho
Green, Elizabeth Ann	N.Y.	Potter, Gordon Vanderlip	D.C.
Hall, Ross Campbell	Ga.	Ranofsky, Mortimer	N.Y.
Hamm, Charles Sherman	Mass.	Rebert, Richard Ross	D.C.
Handloff, Dorothy London	Del.	Robev, Edzar Alderson	D.C.
Haskin, Nagel	Md.	Roden, Donald Chester	Utah
Hassley, John Paul	Mass.	Rothrock, John Blaine	Colo.
Hodger, Barbara Anne	D.C.	Rumshin, Robert	Va.
(With honors)		Shaw, Robert Wetherby	D.C.
Hobbeneger, Ruth	D.C.	(With honors)	
Hosner, George William, Jr.	D.C.	Shulman, Jack	D.C.
Holton, Percy Hoam	Ill.	Sinner, Claire Angela	D.C.
Horn, Ardesbir Behram, Jr.	D.C.	Sipes, James Simeon	Va.
Kearns, Pell	Mich.	Sipes, John William	Va.
Katz, Jack	D.C.	Slate, Thomas Charles	D.C.
Kaye, Homer Cash	Mo.	Smith, Burton Glancy	D.C.
Kelley, Josephine Ward	S.Dak.	Smith, Gordon Murdoch	Va.
Kendrick, John Alexander	D.C.	Steinbach, Heinz Wolfgang	D.C.
Kendyatter, Leo Richard	Ohio	Stiles, Robert Sidney	Ala.
King, George Washington	D.C.	Stotelmeyer, George Benton	Ill.
Knox, Robert Ormiston	D.C.	Sucher, Nettie	N.Y.
Kolaczky, Jacob Israel	N.Y.	(With honors)	
Kosak, Stephen W.	Pa.	Swayze, Henry Allen	Miss.
Kristen, William	D.C.	Tactie, Herman Irving	D.C.
Kushman, Leaton John, Jr.	D.C.	Targue, Edith	N.Y.
Landner, Sophie Hornstein	N.Y.	Tate, Lucy Frances	Va.
Leffer, William Franklin	D.C.	Thomas, James Carlin	Ohio
Leibowitz, Arthur Milton	Ill.	Thompson, William Blake	D.C.
Leish, Janet Maude	Va.	Turner, Margaret Elizabeth	D.C.
Leisfield, Werner Max	D.C.	Urick, Ludwig Frank	Minn.
Loebinger, Wayne Wentworth	D.C.	Wall, Fred, Jr.	Ala.
Lusk, Robert O.	Pa.	Walton, Thomas Snyder	D.C.
Litovitz, Raymond	N.Y.	Watt, John Paul, Jr.	Ohio
Mala, Ellen Maria	Minn.	Wechsler, Nathan	D.C.
(With honors)		(With honors)	
Mann, Frank Eugene	D.C.	Wehr, Patricia Rose	D.C.
McKee, Michael Peter	Tex.	Weldie, Miriam Florence	Brazil
Mordelson, Irving P.	D.C.	Whitaker, Robert Leighton	Idaho
Moyer, Walter	D.C.	White, James Bradley	Md.
Myer, Annette Dorothea	D.C.	Wille, Robert August	D.C.
Nawaskey, Arthur Joseph	Ohio	Williams, Lorraine Squier	D.C.
Nawaskey, Robert John	Ohio	Wilson, John Todd	Pa.
Pateny, Peter	N.Y.	Winston, Robert Mitchell	Ky.
Par, Philip	D.C.	Workman, Elisabeth Jean	D.C.
Pelzman, Jean Dorthy	D.C.	Yost, Paul Nace	Pa.
Pollack, Melvin Morton	D.C.	Zelaska, Ralph Rudolph	Pa.

## COLUMBIAN COLLEGE

### BACHELOR OF ARTS

JUNE 14, 1939

Aaronson, Eva Goldiner	Okla.	Cameron, Mary Louise	Iowa
Abarca, Enrique De Juan	P.R.	Chapman, Erya Newton	Iowa
Agee, Fred Benson, Jr.	D.C.	Coxey, James Eubank	Pa.
Alden, Manning Wallace	Md.	Curtissman, Isabella Victoria	Md.
Allen, Eugene Ward	D.C.	Cramer, William Ford, Jr.	D.C.
(With distinction)		Dawson, Virginia Constance	Md.
Anderson, Gilbert I.	Iowa	(With distinction)	
Bair, Dorothy Ruth	Mich.	De Alba, Laura Elena	Mex.
Baker, Robert Merritt	Colo.	Desjardet, Marcel, Jr.	N.Y.
Basteman, Jeanne Ceule	D.C.	Dawson, Thomas M.	P.I.
Beale, George William	D.C.	Dowd, Thomas Nathan	Iowa
Beltracchi, John Edward	D.C.	(With distinction)	
Bellows, Everett Halls	Conn.	Edwards, Carlotta Uta H.	D.C.
Bessinger, Pearl Sherr	Ohio	Fennell, Reginald Edward	Md.
Billingley, William Kirkman, Jr.	D.C.	Flick, Helen Viola	Iowa
Brd, Norman Luther	D.C.	(With distinction)	
Calver, Jessie Carleton	Mo.	Flora, John Wesley	D.C.

Gammon, Martha Winters (With distinction)	Ark.	Mosley, Vernon Millard	Kans.
Gibbs, Andrew Harris	D.C.	Norton, Janice Elaine	D.C.
Gohlen, Robert Fred	D.C.	Payne, Vivian Franklyn	Va.
M.D. 1937, The George Washington University		Pearlman, Shirley Felice	D.C.
Goldsmith, Nancy	D.C.	Peterson, Leonard Durnell (With distinction)	Ohio
Griswold, Elizabeth	D.C.	Pickens, John Kenneth	N.Y.
Haskell, Ruth Sanborn	D.C.	Pico, Alberto Santiago	P.R.
Hatchett, Lela Margaret	D.C.	Prescott, Alexander Fullerton III	Md.
Hite, Faith	N.C.	Quinn, Dorothy Viola	D.C.
Huddleston, Edith Mary (With distinction)	D.C.	Reeve, Virginia Dooley (With distinction)	Tenn.
Hunt, Gilbert Agnew, Jr.	D.C.	Richards, Leonard Frank	Mo.
Hyde, Donald	Idaho	Richman, Thomas Lefoy (With distinction)	Idaho
Hysong, Jerry Edgar	D.C.	Rodriguez, Eladio Otero	P.R.
Kidd, Julia Boardman	Okla.	Rudler, Robert	N.Y.
Kirkpatrick, Sonst Lucilus, Jr.	Ark.	Scheer, Margaret Ernestina	Iowa
Kleinkauf, Charles Edward	Pa.	Schlesinger, Herbert Irving	Ill.
LL.B. 1930 The George Washington University		Schlessinger, Julius Yale	N.Y.
Kluger, Zelda Wise	Del.	Schlossberg, Leon Gershon	Ky.
Kendrup, Anne Lovat	D.C.	Schug, Loretta Catherine	N.Y.
Leavitt, Ruth Margaret	D.C.	Seiler, James William	D.C.
Lee, Robert Edward	D.C.	Shener, Martha Strayer	D.C.
Lee, Virginia Welch	W.Va.	Simmons, John Fredrick	Kans.
Lehnert, Phyllis	Mich.	Singer, Joseph R.	N.Y.
Lindeman, John Bruce	N.C.	Trone, Mary Margaret	Ill.
Livingston, Mary Jane	Tenn.	Veerhoff, Abigail Wilcox	D.C.
Lovell, Rosalind Virginia	Ohio	Wagner, Henry George	D.C.
MacMillan, Ruth Edna	Ohio	Watson, Carolyn Pierce	D.C.
MacPherson, Archibald Rich	Va.	Weinstein, Estelle	D.C.
Mahoney, Helen Genevieve	D.C.	Williams, Robert Hays	Ark.
Matchett, Madelaine Marie	D.C.	LL.B. 1938, The George Washington University	
Maxon, Mary	D.C.	Wilson, Frances Jule	Ala.
McNeese, Marie Garland (With distinction)	D.C.	Wokasch, Elvira Eleanor	Mo.
Meadows, Richard William	Ala.	Wyvill, Alice Margaret	Md.
Mendez, Manuel José Guardia	Panama	Yanovsky, Esther	D.C.
Mesla, Rendish Drew	N.Y.	(With distinction)	
Molster, Anna Katharine (With distinction)	Ohio	Yates, Kathryn Elizabeth	Calif.

## FEBRUARY 22, 1940

Abalt, Alice Pilmer	Va.	Hill, Elizabeth Marie	Mich.
Ames, Dorothy Louise (With distinction)	D.C.	Hoot, Margaret Louise	D.C.
Bilder, Milton	Pa.	Jenkins, Ethel Bailey	Va.
Brasher, Nancy Marie	Ind.	Kangas, Pell	Mich.
Burke, John Patrick (With distinction)	Mont.	Kelly, John Tyrone	N.Y.
Cullinane, Helen Fenwick	Ohio	LL.B. 1930, The George Washington University	
Dahl, Hazel I.	Minn.	Kimball, Marden David	Ariz.
Danziger, Lillian	Tex.	Leventhal, Morris	N.Y.
Dawson, Mildred Patterson	D.C.	Llufrio, Albert Vincent	N.Y.
Dawgler, Helen Marjorie	D.C.	Lott, Lois LaBruce	Miss.
Derruck, William Sheldon	D.C.	Manning, Marian Draper (With distinction)	Li.
Durraunce, Thomas Drake	N.Y.	McCabe, William Ward	Ky.
Farha, Sammy Melvare	Okla.	McPike, Eugenie Williams	D.C.
Firth, William Ellsworth	Md.	Miller, Albert Raymond	D.C.
Gast, Florence Matland	Mich.	Murphy, Irene May	Vt.
Gehan, Kathryn Yvonne	Iowa	Murphy, Joan Catherine	Md.
Gemm, Benedict Joseph	D.C.	Peebles, Emile Virginia	N.H.
Gilliland, Norman Ambrose	Va.	Rosenberg, Theodore	R.I.
Gouzas, Anxela Marie	D.C.	Rottenberg, Simon	Minn.
Glosson, Stephen Bernard	D.C.	Sammons, Robert Lee (With distinction)	D.C.
Glock, Marguerite Offinger	N.Y.	Shuman, Sydney Joseph	D.C.
Hale, Teresa Vaughan	D.C.	Stratton, Constantine	Va.
Hiscock, Glenn Goodwin	Minn.	White, Natalie Evelyn	
Henry, George Robert	Ind.		



## BACHELOR OF SCIENCE

JUNE 14, 1939

Ammerman, Harvey Hirsch	Conn.	Mason, Joseph Marshall	Md.
Anderson, George Nathan	N.C.	McAdams, Eugene Pope	Ky.
Bansiel, David	N.Y.	Morgan, James Frederick	La.
Beall, Phoebe Jane	D.C.	Nielsen, Jean Kelly	Va.
Belaval, Lister Noel Ritter	P.R.	Papantoclos, Demosthenes John	D.C.
Bowman, Robert Alexander, Jr.	Va.	Perry, John Watson	N.C.
Dotson, Billie	W.Va.	Reeves, Max Drowne	Kans.
Fessenden, George Russell	N.Y.	Rinker, Royden Carrington	Va.
Fischer, Richard Henry	D.C.	Rumerman, Herbert	Va.
Finnoff, Bernard	N.Y.	Sager, William Frederick	D.C.
Gladstein, Irving	N.Y.	Schuhmann, Shuford	Colo.
Gordon, Charles Lewis	Mass.	Shimp, James Harrison	D.C.
Hogentogler, Chester Albert, Jr.	Va.	Stein, Norman	D.C.
Mann, Charles Wayne	Okla.	Woodard, Geoffrey Dean LeRoy	D.C.

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Adams, Edmond	Mich.	Maxwell, Laurel H.	Mich.
Bendigo, Bruce Bretsler	N.C.	Miller, Charles Wayne	Va.
Classoff, Abraham	N.Y.	Weissenberg, Sidney	N.Y.
Drimmer, Saul E.	N.Y.	Whitehead, David Calloway	Va.
Ervin, Harold Welch	Miss.	Whuldan, John Patrick	D.C.
Geller, William	Ill.	L.L.B. 1935, Georgetown University	
Grodsky, Joseph	Ill.	Yost, Clyde William	Nebr.

## MASTER OF ARTS

JUNE 14, 1939

Avery, John Lawrence	D.C.	Garellick, Philip	N.Y.
B.S. 1937, University of Maryland		B.S. 1929, College of the City of	
Bailey, Linwood Kersey	Ohio	New York	
A.B. 1930, The George Washington		Goldberg, Clara	Mass.
University		A.B. 1912, Radcliffe College	
Baulis, George Edward	Va.	Hay, Elizabeth Sarah	Va.
B.S. 1937, The George Washington		A.B. 1918, College of William and	
University		Mary	
Been, Richard Olof	Mich.	Haynes, Mary Esther	N.C.
A.B. 1937, The George Washington		A.B. 1920, North Carolina College	
University		for Women	
Beyer, Glenn H.	S.Dak.	Johnson, Frances Ashlin	D.C.
A.B. 1935, Augustana College		A.B. 1927, The George Washington	
Brasted, Robert Crocker	N.Dak.	University	
B.S. 1938, The George Washington		Johnson, Pyke, Jr.	D.C.
University		A.B. 1917, University of Maryland	
Borgess, Ralph Edwin	D.C.	Kaplan, Morris	N.Y.
A.B. 1930, Williams College		B.S. 1912, College of the City of	
Clark, Walter Ernest II	Va.	New York	
B.S. 1937, Virginia Military Institute		Katz, Mortimer Bernard	N.Y.
Cole, Samuel Herrell	Md.	B.S. 1905, Brooklyn College	
B.S. 1934, University of Virginia		Kirsch, Dorothy	D.C.
Cook, Mary Tattnell	S.C.	A.B. 1915, American University	
A.B. 1911, The George Washington		Kolesnikova, Valentina Yakovlevna	N.Y.
University		Diploma 1930, Azerbaijan State	
Cooke, Flora Virginia	Pa.	University, Baku, Russia	
B.S. 1935, Ursinus College		Kruger, Gustav Otto	D.C.
Dinaburg, Aaron Gordon	N.Y.	B.S. 1918, The George Washington	
B.S. 1935, Brooklyn College		University	
Fox, Helen	N.Y.	Levine, Joseph	Pa.
A.B. 1938, The George Washington		B.S. 1911, Rensselaer Polytechnic	
University		Institute	
Friedlander, Harold	N.Y.	Lewis, Thomas Baird	Pa.
B.S. 1934, College of the City of		B.S. 1929, Lehigh University	
New York			

McNeely, John Hamilton, Jr. A.B. 1918. American University	D.C.	Roberts, Sarah Elizabeth A.B. 1931. University of California at Los Angeles	Calif.
Metz, Howard Karl A.B. 1930. University of Minnesota	Minn.	B.S. 1932. University of Washington	Calif.
Payne, John Byrd A.B. 1937. The George Washington University	Md.	Smith, Clarence F. A.B. 1934. University of California	D.C.
Pope, Chester Isaac A.B. 1935. University of Kansas	Kans.	Trembley, Helen Louise A.B. 1933. The George Washington University	D.C.
Quinn, Joseph Patrick A.B. 1931. The George Washington University	D.C.	Weber, Harry Fredrick A.B. 1934. The George Washington University	D.C.
Radley, Ellen Acree A.B. 1926. Westhampton College	Va.	Weller, George Louis, Jr. A.B. 1927. M.D. 1932. Johns Hopkins University	D.C.
Rasmussen, Wayne David A.B. 1937. Montana State University	Mont.	Wilcox, Winifred Snowden A.B. 1938. The George Washington University	N.Y.
Ratcliffe, Sydney Melville A.B. 1941. The George Washington University	D.C.	Wooden, Eugene Jourdan A.B. 1917. The George Washington University	Ill.
Reif, Charlotte Mae B.S. 1937. University of Minnesota	Minn.		

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Ahrens, Thomas Patrick B.S. 1938. The George Washington University	Mont.	Hope, Clifton A.B. 1937. Washington College	Md.
Buck, Margaret Winters A.B. 1934. Brennan College	N.Y.	Kotter, Fred Ralph B.S. 1937. University of Utah	Utah
Clark, Harry Lawrence, Jr. B.S. 1935. The George Washington University	D.C.	Relson, Morris B.S. 1934. College of the City of New York	N.Y.
Evans, Richard Castleman B.S. 1938. The George Washington University	D.C.	Schmidt, Claudia A.B. 1937. The George Washington University	Mass.
Fichandler, Thomas Carlyle A.B. 1936. Brooklyn College	N.Y.	Snow, Richard Higgins A.B. 1936. The George Washington University	Mass.
Fisher, Paul Allan A.B. 1934. The George Washington University	N.Y.	Thompson, Eric A.B. 1934. Westminster College	Pa.
Gilkey, Earle Will A.B. 1938. The George Washington University	Wash.	Wiseman, Earl Finley A.B. 1936. The George Washington University	D.C.
Hasselkander, Mary Evelyn A.B. 1933. Lynchburg College	D.C.	Yaden, Andrew Virginia A.B. 1938. The George Washington University	Ky.
Hollaway, Charles Washington B.S. 1936. University of California	Calif.		

## THE GRADUATE COUNCIL

## DOCTOR OF PHILOSOPHY

JUNE 14, 1939

Cole, Charles William A.B. 1930. A.M. 1931. The George Washington University Thesis: "The Beginnings of Literary Nationalism in America, 1775- 1800"	Md.	Irving, George Washington, Jr. B.S. 1913. A.M. 1935. The George Washington University Thesis: "Electrophoretic Studies upon the Pressor and Oxytocic Principles of the Pituitary Gland"	Maine
Critchfield, Charles Louis B.S. 1934. A.M. 1936. The George Washington University Thesis: "The Theory of Nuclear Forces and their Spin-Dependence under the Pair-Emission Hypoth- esis"	Ohio	Kerr, Peyton Armstrong, Jr. B.S. 1925. University of California A.M. 1937. The George Washington University Thesis: "The Economics of Work Relief: A History and Analysis"	Calif.
Irish, Oliver John A.B. 1916. State University of Iowa M.S. 1924. The George Washington University Thesis: "The in vivo Conversion of Amino Acid Isomers"	Iowa		

# THE SCHOOL OF MEDICINE

## DOCTOR OF MEDICINE

JUNE 14, 1939

Bageant, William Eldridge	D.C.	Kelso, Richard Edward	D.C.
Barnett, Lester Alfred	N.J.	King, William Earl	Pa.
A.B. 1936, The George Washington University		Lasater, James Harvey	Wash.
Billingsley, William Kirkman, Jr.	D.C.	B.S. 1934, University of Washington	
Brown, Brooks Gideon, Jr.	Md.	Law, Charles Edward	D.C.
Chinn, Raymond Franklin	D.C.	Macatee, George, Jr.	Ala.
Collins, James Murphy	W.Va.	Maher, Robert Campbell, Jr.	Pa.
Dickens, Paul Frederick, Jr.	D.C.	B.S. 1915, University of Notre Dame	
A.B. 1916, The George Washington University		McCracken, Paul Wilson	Ohio
Donald, Howard Alexander	N.Y.	Mensh, Maurice	D.C.
Draper, Warren Fales, Jr.	Va.	(With distinction)	
A.B. 1915, Amherst College		Miller, William Augustus	Md.
Feldman, Harry Alfred	N.J.	B.S. 1912, University of Maryland	
A.B. 1935, The George Washington University		Moses, William Russell Wallace	D.C.
Finley, Charles Francis	N.Y.	(With distinction)	
A.B. 1936, University of Rochester		Parker, Henry Stoddert	D.C.
Fraser, Ella Selma	D.C.	Payne, Russell Crandle	D.C.
A.B. 1934, A.M. 1935, The George Washington University		A.B. 1936, The George Washington University	
Fraser, James Malcolm	Md.	Rapee, Lawrence Albert	D.C.
French, Sanford Williams, Jr.	Md.	(With distinction)	
of San Antonio		Richardson, Charles Randolph	D.C.
Friedman, Joseph Marshall	D.C.	A.B. 1936, The George Washington University	
A.B. 1916, The George Washington University		Ringness, Henry Raymond	Md.
Gerhardt, Paul Emil	N.J.	A.B. 1917, The George Washington University	
Gibson, Frank Eugene, Jr.	D.C.	Rosenberg, Charles Irving	Md.
Gould, Ernest Alva	Wyo.	B.S. 1924, University of Maryland	
B.S. 1935, University of Wyoming		A.M. 1930, The George Washington University	
Grady, Florence Elizabeth	D.C.	Sander, Martin August	N.Y.
A.B. 1936, The George Washington University		A.B. 1932, University of Illinois	
Gramse, Fred R.	Utah	Schultz, William R. Reed	Ohio
A.B. 1912, University of Utah		A.B. 1931, College of Wooster	
Granwell, John Roscoe, Jr.	Va.	Stimson, William Hamilton	Md.
Hains, Frank Henry	Ohio	Stoddard, Guy Russell	Fla.
A.B. 1932, Ohio State University		B.S. 1933, University of Miami	
Harris, William George	Ohio	Strunk, Harold Alton	Pa.
Hodge, Frank David, Jr.	Utah	B.S. 1916, Allegheny College	
A.B. 1935, University of Utah		Vargyas, Joseph Charles	N.J.
Hughes, Charles Randolph, Jr.	D.C.	B.S. 1915, Allegheny College	
Huntington, Camp Stiles	D.C.	Webb, Clifford Austin	Utah
A.B. 1916, The George Washington University		Wendlandt, George Davis	D.C.
Irey, Hugh Wagner	D.C.	Wilson, Urban Vincent II	D.C.
Jaeger, Dorothy Steinle	D.C.	Wilson, Edward Comstock, Jr.	D.C.
Johnson, William Parke, Jr.	N.J.	A.B. 1936, The George Washington University	
A.B. 1935, Columbia University		Wilson, Herbert, Jr.	Tenn.

# THE LAW SCHOOL

## BACHELOR OF LAWS

JUNE 14, 1939

Alsop, William Wallace	Utah	Bayes, Guy M.	Ky.
(With distinction)		Beachum, Pearl Bowers, Jr.	N.C.
Babbitt, Almon William	Ariz.	B.S. 1933, Davidson College	
Bailey, James Keck	Pa.	Bernheimer, Norman	Va.
A.B. 1935, Thiel College		Bingham, Rappert	Mont.
Barber, Stuart Boyart	N.Y.	B.S. 1926, University of Pennsylvania	
A.B. 1934, Dartmouth College		Booth, Sherwood Kenneth	Pa.
Barger, Alphonso Sledge	Ala.	A.B. 1912, Pennsylvania State College	
B.S. 1932, Howard College			



Boulger, Richard Valentine	N.Dak.	Gray, George O.	Tex.
Bowers, Chester Gaver	Md.	A.B. 1938, The George Washington University	
A.B. 1933, American University			Utah
Boyer, Evelyn Dearnoff	D.C.	Haves, Oswald Gray	
A.B. 1932, The George Washington University		B.S. 1935, The George Washington University	D.C.
Burke, Frederick Richard	Conn.	Helvestine, Albert Harrison	
Byrd, Daniel Madison, Jr.	Ga.	B.S. in Eng. 1944, B.S. in E.E. 1945, The George Washington University	Tex.
Ph.B. 1936, Emory University			
A.M. 1937, The George Washington University		Hirschfield, James Albert	
Byrne, Paul Patrick	Pa.	Graduate 1924, United States Coast Guard Academy	Ariz.
Ph.B. 1942, Georgetown University			Md.
Byron, Roger Alan	Ky.	Hoyt, Forrest T.	
A.B. 1935, Berea College		Huettig, Hugo Gustav, Jr.	
Campbell, James Milton	Md.	A.B. 1945, Princeton University	N.J.
A.B. 1937, The George Washington University		Hunter, John Merritt, Jr.	
Carr, Basil Loraine	Md.	B.S. 1911, Harvard University	Va.
B.S. 1911, University of Michigan		Hunter, William James Doherty	Va.
Chapin, Frank Malford	D.C.	Jacobs, John Roszell, Jr.	
Cheever, Sumner Charles	Calif.	A.B. 1934, A.M. 1935, The George Washington University	S.Dak.
Chozick, Hyman Edward	Maine	Johnson, Everett Royal	
Clark, Alan B.	W.Va.	B.S. 1934, University of Alaska	Nebr.
A.B. 1937, The George Washington University		Kailey, Evaillian	
Clarke, Harriet Brookfield	D.C.	B.F.A. 1942, Nebraska Wesleyan University	
A.B. 1911, Wellesley College			D.C.
Cleveland, Ruth Frances	Mo.	Kay, Harry	Mass.
Colby, Fred Wesley	N.Dak.	Keely, James Everett	
Cole, Elmer Clark	Ill.	B.S. 1940, Massachusetts Institute of Technology	N.Y.
Craghill, George Bowdoin, Jr.	D.C.	Kelly, John Tyrone	Md.
A.B. 1936, University of the South		Kemp, Thomas Aubrey	
Crampton, Scott Paul	Ohio	A.B. 1934, Bucknell University	D.C.
A.B. 1915, American University		Kennedy, Irene Murphy	
Crouch, William Henry	Tenn.	A.B. 1913, Barnard College	D.C.
A.B. 1917, The George Washington University		Kerby, John Hardy	
Curtis, Henry Norment	D.C.	A.B. 1935, The George Washington University	Mass.
A.B. 1916, Hampden-Sydney College		Kerrina, Joseph Arthur	
Davis, Jack Butler	Ky.	Graduate 1927, United States Coast Guard Academy	Utah
Dawson, Allen Cole	Ill.		Utah
Ed B. 1935, Southern Illinois State Normal University		Kimball, Frank Collette	Tex.
DeMik, William John	Ill.	Kimball, S. Fielding	D.C.
Diamond, William John	Iowa	King, Hughes Allison	Vt.
Dismore, Andrew McDonald	Ala.	Kirkland, Ira Bird, Jr.	
Drury, John Burke	Va.	Klavan, Harry S.	
A.B. 1934, The George Washington University		Ph.B. 1945, University of Vermont	Va.
Earl, Rulon A.	Nev.	Kramer, Albert Jack	
A.B. 1936, The George Washington University		B.S. 1930, University of Virginia	Tenn.
Eisenhart, Charles Huby	Ohio	Lambert, John Ross	
B.S. 1929, Ohio State University		A.B. 1911, University of Tennessee	Okla.
Farflik, Edward Joseph	Conn.	Lassiter, Omega Charles	
Farwood, William	D.C.	A.B. 1915, University of Tulsa	D.C.
A.B. 1917, The George Washington University		Lockett, Horace Peyton	
Farr, John Alden	N.Y.	A.B. 1936, Franklin and Marshall College	D.C.
Fletcher, Richard George, Jr.	D.C.	Martell, Helen Marie	Mont.
A.B. 1935, Harvard University		Matter, John Marshall	
Friedemann, William Gustav	Okla.	B.S. 1935, New Mexico School of Mines	Wash.
B.S. 1911, M.S. 1912, Oklahoma Agricultural and Mechanical College		McQuesten, Roseanna	
Garland, Jerome McDuffee	Md.	A.B. 1928, Stanford University	Pa.
Glenn, James Henry	N.C.	Medill, Daniel Kerfoot	
A.B. 1915, Hendrix College		A.B. 1936, University of Delaware	D.C.
Goldstein, Joseph Abe	D.C.	Miller, Davidson Church	
Goshlin, Paul Alan	Okla.	A.B. 1935, The George Washington University	N.Y.
		Mosher, Ellsworth Hathaway	N.Mex.
		B.S. 1933, Syracuse University	Utah
		Murphy, John Daniel	
		Nelson, Fred Clayton	

# Degrees Conferred

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Odom, Edward Everett, Jr. B.S. 1911, University of Virginia	D.C.	Stevenson, Frederick Charles A.B. 1914, The George Washington University	N.J.
Owen, Dwight Hall	N.H.	Strecker, Hayward William	Ohio
Paris, Vinard LeVaine	N.Y.	B.S. 1927, University of Pennsylvania	
Parker, George Alton	Utah	Sturm, George Wayne	Calif.
Parsons, George Ragsdale	Iowa	Sullivan, William Walter	Conn.
Perland, John Cecil	N.C.	A.B. 1922, College of the Holy Cross	
Pollock, Charles Frederick	Wis.	Susong, Alexander Elbert	Tenn.
Ph.B. 1915, University of Wisconsin		A.B. 1911, Virginia Military Institute	
Porotto, Fortunato Igino	D.C.	Tate, Edward Oscar	Tenn.
Ramsey, Donald James	R.I.	A.B. 1914, American University	Ohio
Graduate 1924, United States Naval Academy		Thomas, George Samuel	
Reed, Emery A.	Nebr.	A.B. 1915, The George Washington University	
A.B. 1915, Nebraska State Teachers College, Chadron		Thompson, Frank Marion	D.C.
Reeder, Samuel Bye, Jr.	D.C.	Thurston, James Read	Utah
A.B. 1918, The George Washington University		A.B. 1914, Brigham Young University	
Replegle, Harold Hasting	Ind.	Tiemuth, Harold Herman	Calif.
A.B. 1921, Indiana University		Graduate 1924, United States Naval Academy	
Ridar, Peter Anthony	Colo.	Timberlake, Edmund Compton	W.Va.
A.B. 1916, University of Colorado		Van Dyke, Spencer Ellsworth	Utah
Ridgely, Henry Johnson	Del.	Verbruyck, J. Russell III	D.C.
A.B. 1915, University of Delaware		Weister, Wallace H., Jr.	Pa.
Schneider, Robert Hamlin	Va.	Ph.B. 1914, Muhlenberg College	
A.B. 1917, The George Washington University		Well, John Allen	Pa.
Sebelius, Keith George	Kans.	Weisberger, Wilfred Harold	Pa.
Seydel, Morris Monsees	Colo.	B.S. 1912, University of Pennsylvania	
A.B. 1918, The George Washington University		Widdes, Orville Edwin	Wis.
Sherman, Paul Dwight	Mass.	A.B. 1918, The George Washington University	
B.B.A. 1910, Boston University		Williams, Ames William	N.J.
Smith, Clyde Willard	Ill.	A.B. 1915, The George Washington University	
A.B. 1917, The George Washington University		Williamson, Howard Carl Henry	Iowa
Sommer, Kenneth Richard	N.Y.	B.S. 1910, State University of Iowa	
B.S. 1918, The George Washington University		Wilson, Dorothy Ruth	Mo.
Stallings, Mary Leslie	Tex.	A.B. 1916, University of Michigan	
A.B. 1915, University of Maryland			
Stepler, Harold Gordon	Ind.		
A.B. 1918, The George Washington University			

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Andersen, Daniel Johannes A.B. 1917, The George Washington University	Va.	Gordon, Herman Lewis B.S. 1914, College of the City of New York	N.Y.
Beckerman, Lawrence A.B. 1914, Brooklyn College	N.Y.	Hake, David Lawrence	Colo.
Berndt, Leo	Okla.	B.S. 1915, University of Colorado	
Burt, Barbara Bothwell	Ala.	Heer, Robert Renwick	Ill.
Campbell, Roy Davies, Jr.	Ark.	A.B. 1915, University of Illinois	
A.B. 1916, The George Washington University		Jackson, John Francis	Calif.
Carson, Raymond Kit	Tenn.	A.B. 1914, Santa Barbara State Teachers College	
Cooper, Walter Trexler	Pa.	Lester, Creed Judding	Ohio
Custon, Stewart	Calif.	Ph.B. 1911, Kenyon College	
A.B. 1915, University of California		Lloyd, Sherman P.	Utah
Edwards, Luther Roe	Va.	B.S. 1915, Utah State Agricultural College	
B.S. 1912, Virginia Polytechnic Institute		Maupin, Armistead Jones	N.C.
Elliott, Charles Francis	Ga.	A.B. 1916, University of North Carolina	
Fletcher, Howard Jr.	Va.	McCannell, Robert C.	N.Mex.
B.S. 1912, Virginia Military Institute		A.B. 1915, University of New Mexico	
Flynt, John James, Jr.	Ga.	Nelson, Howard Moore	Nebr.
A.B. 1916, University of Georgia		B.S. 1912, University of Nebraska	
Gaston, Leslie Homer	Ind.	Ph.D. 1911, University of Nebraska	Mo.
B.S. 1920, Purdue University		Ph.D. 1911, University of Nebraska	Vt.
M.S. 1912, University of Michigan		A.B. 1918, Norwich University	
		M.B.A. 1913, Harvard University	

Race, Anthony Joseph A.B. 1935, Ohio University	Ohio	Sipkin, Chester Terbush, Theron LeeRoy B.S. 1916, University of Maryland	N.Y. Okla.
Rees, Bynum Fay Rhodes, Francis Marion A.B. 1932, Southeast Missouri State Teachers College	Miss. Mo.	Traxler, William Byrd Watkins, Robert Edward B.S. 1933, United States Naval Academy	Tex. D.C.
Rosemond, St. Julien Palmer Rosenfeld, Maurice Joseph B.S. 1937, University of Oregon	Fla. Oreg.	Webber, William Hoban B.S. 1932, University of Pennsylvania	Pa.
Scott, Tasso Harold A.B. 1931, University of Colorado M.S. 1933, Georgetown University	Colo.	Wedge, Virgil Henry B.S. 1936, Graham Young University	Nev.
Sells, Oscar Hooper A.B. 1933, A.M. 1934, American University	Tenn.	Whaling, Clifton Wendell A.B. 1932, Michigan State Normal College	Mich.
Shapiro, Harry Gerson B.S. 1917, The George Washington University	Md.	Wilson, Louisa A.B. 1928, Randolph-Macon Wom- an's College	N.C.
Shull, Lewis Frederick A.B. 1935, Nebraska State Normal College	Nebr.		

## MASTER OF LAWS

JUNE 14, 1939

Bennett, Lorenzo Thompson, Jr. LL.B. 1936, A.B. 1938, The George Washington University	Mich.	Lyon, Merle Paul A.B. 1915, Oberlin College J.D. 1921, University of Chicago	Ill. Md.
Burt, Ernest Hill B.S. 1914, Michigan State College of Agriculture and Applied Science LL.B. 1917, Yale University	Mich.	Mostow, Elmer LL.B. 1937, The George Washington University	Ill.
Gaspine, Benito A.B. 1932, LL.B. 1934, Columbia University	N.Y.	Rose, Mary Elizabeth A.B. 1914, LL.B. 1916, The George Washington University	W.Va.
Hottenstein, David A.B. 1932, Western Maryland College J.D. 1937, The George Washington University	Md.	Wilson, Samuel Stuart A.B. 1927, Marietta College LL.B. 1937, The George Washington University	
Johns, James Llewellyn Graduate 1920, United States Naval Academy LL.B. 1935, The George Washington University	Ohio		

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Hoage, Alden Warne A.B. 1928, University of Maryland LL.B. 1932, The George Washington University	D.C.	Rounsaville, James Herdis B.B.A. 1932, University of Texas LL.B. 1939, The George Washington University	Tex.
Johnson, Hildemar Ernest LL.B. 1938, The George Washington University	N.Dak.		

## JURIS' DOCTOR

JUNE 14, 1939

Adams, Bernard William A.B. 1933, University of Minnesota	Minn.	Brown, Ben Hill, Jr. A.B. 1935, Willford College	S.C. Mich.
Bell, John Oscar B.S. 1934, The George Washington University	Fla.	Cook, Donald Clarence A.B. 1932, M.B.A. 1935, Univer- sity of Michigan	Va.
Benson, Adam Young (With distinction) A.B. 1935, University of Utah	Utah	Davidson, Ida Parker (With distinction) A.B. 1923, Ohio State University	



# Degrees Conferred

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Featherston, C. Mozley A.B. 1935, Hardin-Simmons University	Tex.	O'Rourke, Charles Dennis (With distinction) A.B. 1935, Nebraska State Teachers College, Chadron	Nebr.
Fletcher, Lloyd, Jr. B.P.A. 1936, University of Texas	Tex.	Richardson, Arthur Leon Bertram B.S. 1934, Harvard University	N.Y.
Freedman, Milton A.B. 1934, Brooklyn College	N.Y.	Robb, Eugene Spivey A.B. 1930, University of Nebraska	D.C.
Hutchins, Charles Morris (With distinction) B.S. 1934, Purdue University	Va.	Sharp, Robert Keith B.S. 1935, The George Washington University	Wash.
Kirk, Claybourne Holt A.B. 1935, University of California at Los Angeles	Calif.	Smith, Harold Clair A.B. 1933, Pennsylvania State College	Pa.
Leibowitz, Reuben B.S. in Eng. 1933, Chem E. 1934, College of the City of New York	N.Y.	Smith, Ralph Carlisle Chem.E. 1931, Rensselaer Polytechnic Institute	N.J.
Manasse, William Hannay B.S. 1924, Dartmouth College	N.Y.	Stohl, Ralph Nelson A.B. 1934, University of Utah	Utah
Martin, Harsh Jack (With distinction) Graduate 1924, United States Naval Academy	Ga.	Sylvester, Malcolm Duncan Graduate 1925, United States Naval Academy	La.
McAttee, Worland Peter A.B. 1932, University of New Mexico	N.Mex.	Tyler, Lyon Leavenworth, Jr. B.S. 1935, College of Charleston	S.C.
Miller, Harry Slater B.S. 1933, Allsight College	Pa.	Wys, Walther Erwin (With distinction) B.S. 1931, M.S. 1934, University of Wisconsin	N.Y.
Morris, Glenn Ellis A.B. 1932, University of Missouri	Ark.		
Morris, Harry Oliver A.B. 1936, University of New Mexico	N.Mex.		

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Haubner, John Wesley B.S. 1934, Princeton University	Va.	Hosley, Richard Elmer M.E. 1934, Cornell University	N.Y.
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## THE SCHOOL OF ENGINEERING

### BACHELOR OF SCIENCE IN CIVIL ENGINEERING

JUNE 14, 1939

Baker, Edward Arnold Beall, Stewart Hall Blum, Solomon L. B.S. in E.E. 1932, University of Delaware	D.C.	Bradley, Francis Dean B.S. 1934, United States Naval Academy	Nev.
Bradford, Thomas Alden	D.C.	Brenneman, Leonal Walter Francis Dale Hulberg, Alton Nelson Jonas, Paul Armand	Kans. Nebr. Ill. D.C.

FEBRUARY 22, 1940

LaCoste, Jack Kelty	D.C.	Millard, August Born	Md.
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### BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

JUNE 14, 1939

Beatty, Robert William Bronaugh, Alfred Taylor Holley, Max Vinson	Md. D.C. Ala.	Sangster, Harold Lee Smith, Carl Harrison, Jr.	D.C. W.Va.
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FEBRUARY 22, 1940

Link, Julius Harold	Md.
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## BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

JUNE 14, 1939

Froyd, Lawrence Wilbur	Va.	Lane, Edward John Henry	D.C.
Frye, William Neff	W.Va.	Mikuszewski, Charles John	Mass.
Gareau, Charles Frederick	Mass.	Simmers, Richard	D.C.
Hartnell, George Freeman	Md.		

FEBRUARY 22, 1940

Capotio, Eugene Raymond	Va.	Donovan, John Theodore	R.I.
Christopher, Maxwell George	Md.	Willis, John Brewster	D.C.

## BACHELOR OF SCIENCE IN ENGINEERING

JUNE 14, 1939

Bjorklund, Louis Jay	Utah	Pearson, William Maynard	Pa.
Freedman, Moses	N.Y.	Tucker, Irwin William	N.Y.
Hunter, Frank Rhodes, Jr.	D.C.	Walden, Charles Edward	N.Mex.
Janes, Milo F.	Md.		

FEBRUARY 22, 1940

Gertler, Morton	D.C.	Ragan, Joseph Bernard	D.C.
Grimth, Kelley Edward	Va.	Shepherd, Warren Dee	Utah
Lectaw, John Eastman	D.C.	Trantham, Forrest Franklin	N.C.

## THE SCHOOL OF PHARMACY

## BACHELOR OF SCIENCE IN PHARMACY

JUNE 14, 1939

Adler, Seymour	D.C.	Mistretta, Slavatore Antonnino	Md.
Clayton, Charles William	D.C.	B.S. 1932, Georgetown University	D.C.
Epstein, Julius	D.C.	Tievsy, George	Md.
Phar.G. 1934, The George Wash- ington University		Tourkin, David	
Ginsburg, Theodore Herzl	D.C.	Phar.G. 1931, University of Mary- land	
Gitomer, Norman Moses	D.C.		

FEBRUARY 22, 1940

Maciulla, James Louis	D.C.
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## THE SCHOOL OF EDUCATION

## BACHELOR OF ARTS IN EDUCATION

JUNE 14, 1939

Alec, John Gage (With distinction)	Mont.	Kagen, Ethel Wool	D.C.
Barnes, Ruth Ellen	D.C.	Kerr, Kleon Harding	Utah
Bodily, David Cook	Utah	Kirby, Dulcia Yowell	D.C.
Butts, Helen Elizabeth	N.Y.	Larison, Oliver Kugler	Md.
Donoghue, Mary Eleanor	Calif.	Leeper, Mary Esther	N.C.
Dreese, Dorothy Coble	Va.	Meehl, Evelyn Grace	Minn.
Fanaroff, Thelma	D.C.	Merelman, Muriel Charlotte	D.C.
Garner, Eleanor Radcliffe	D.C.	Miller, Elvert Franklin	D.C.
Goodwin, Helen Barton	D.C.	Misiek, Eleanor Norris	D.C.
Houston, Flora Kail (With distinction)	Tex.	Reed, Olive E.	D.C.
	D.C.	Rosenweis, Bernice	Va.
		Schoolfield, Lucille Dillard	

## FEBRUARY 22, 1940

Bingham, Marion Dee	Utah	Peitz, Agnes Catherine	N. Dak.
Dillon, Thelma	W. Va.	Rebholz, John Bernard	Mass.
Gillis, Georgina Gweneth	Maine	Rounds, Elizabeth Wilkinson	D. C.
Manning, Martha Ellen	Ga.	Shaw, Margaret Ruth	Mo.
Morris, Hilma Maria	Md.	Wiler, Jessie Emma	D. C.
Ostermayer, Eugenia Williams	D. C.	Winn, Agnes Shirley	Wash.

## BACHELOR OF SCIENCE IN HOME ECONOMICS

## JUNE 14, 1939

Allen, Marjorie Florence (With distinction)	Maine	Duvall, Jane Sedgwick	Md.
Bart, Olivia Ruth Nixon	D. C.	Miller, Madelyn Frances	N. Y.
		Mitchell, Mary Josephine	Md.

## FEBRUARY 22, 1940

Pagan, Alice Gwendolyn	D. C.	Zepp, Frances Knapp	D. C.
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## BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

## JUNE 14, 1939

Alex, Frances Clement	D. C.	Renzaglia, Guy Anthony	Minn.
Castell, Jane Jordan	Md.	Sampson, Victor Joseph	Ill.
Paris, Robert Keith	Nebr.	Sherrill, Laverne Herman	Okl.
Feiker, Barbara-Jean	D. C.	Schwartz, Sidney	N. Y.
Marshall, John T.	Calif.	Tobin, David Paul	D. C.
Merka, Frank Weaver	Tex.	Weinberg, Isador Edward	Pa.
Morin, Hortense Judith	R. I.	Yurwitz, Julius Peter	N. Y.
Pugh, Eleanor Cadwell	D. C.		

## MASTER OF ARTS

## JUNE 14, 1939

Austin, Violet Kathryn A. B. 1928, The George Washington University	D. C.	Hull, Fern Lang A. B. 1929, University of Colorado	Colo.
Boylan, Mary Norma A. B. 1935, The George Washington University	D. C.	Kiernan-Valia, Helen Cogan A. B. 1928, The George Washington University	D. C.
Burke, Jane Macauley A. B. 1937, The George Washington University	D. C.	King, Eleanore Woodward A. B. 1934, The George Washington University	Va.
Byler, Emma Shumway A. B. 1928, The George Washington University	D. C.	Kornitzer, Henrietta Goldsmith A. B. 1942, The George Washington University	D. C.
Chue, King-Ho A. B. 1930, Lingnan University, Canton, China	China	Lewis, Rose B. S. 1916, Wilson Teachers College	D. C.
Clarkson, Gladys Marion A. B. 1928, The George Washington University	D. C.	Lindsey, Elizabeth Prestons A. B. 1928, Allegheny College	D. C.
Emmert, Beverly Agnes A. B. 1938, The George Washington University	D. C.	Maltz, Lillian Sandra A. B. 1927, The George Washington University	N. J.
Ford, Ella Mabel A. B. 1933, The George Washington University	D. C.	Noble, Margaret Kunza B. S. 1933, Wilson Teachers College	D. C.
Garber, Elizabeth Louise B. S. 1932, Boston University	D. C.	Nott, Mildred McCauley B. S. 1926, Wilson Teachers College	Conn.
Hart, Inez Rena A. B. 1920, Alabama College	Ga.	Parham, Lillian Chappell B. S. 1928, University of Cincinnati	D. C.
Howard, Florence Inez A. B. 1928, The George Washington University	Kans.	Richardson, Mary Fulton B. S. 1933, Wilson Teachers College	D. C.
		Seidler, Harvey Clarence B. S. 1934, University of Florida	S. Dak.
		Shorey, John Charles A. B. 1932, The George Washington University	Va.



Solomon, Edward Wellington	Calif.	Veon, Dorothy Helene	Nebr.
Ed.B. 1932, University of California at Los Angeles		B.S. 1935, University of Nebraska	
Strayer, Francis Henry	D.C.	Williams, Thomas Chambliss	Va.
B.S. 1935, The George Washington University		B.S. 1915, Virginia Military Institute	
Torgerson, Helen	Wis.	Wood, Hazel Caroline	Va.
B.S. 1928, University of Minnesota		B.S. 1934, Madison College	

## FEBRUARY 22, 1940

Albright, Maria Louise	D.C.	Jewell, Alice Adonna	Iowa
A.B. 1911, The George Washington University		A.B. 1931, Grinnell College	
Anderson, Catherine Russel	D.C.	Junkin, Virginia Wallace	Pa.
B.S. 1921, Hastings College		B.S. 1918, Beaver College	D.C.
Barton, Floretta Gibson	D.C.	Mackey, George McLaurine	D.C.
A.B. 1930, Northwestern University		B.S. 1935, Wilson Teachers College	
Cary, Winona Elsie	Va.	Mitchell, Orrel James	D.C.
B.S. 1932, Mary Washington College		A.B. 1929, Georgetown University	N.Y.
Cassara, Paul Edmund	D.C.	Mohr, Rose Laura	
A.B. 1932, St. John's College, Maryland		B.S. 1932, New York State College for Teachers	
Chase, Elizabeth Love	D.C.	Murphy, Abigail Theresa	Vt.
A.B. 1918, University of Richmond		A.B. 1925, The George Washington University	
Chamsee, Aleksandra	Poland	Quattlebaum, Charles Albert	S.C.
Duggett, Frances Towers	D.C.	A.B. 1911, University of Georgia	
A.B. 1926, Vassar College		Richard, Mildred Graham	Va.
Everett, Grover Woodrow	Va.	A.B. 1929, Municipal University of Wichita	
B.S. 1935, University of Virginia		Russell, Ruth Ladd	Md.
Flaniken, Robbie Hutchings	Tex.	B.S. 1911, Wilson Teachers College	
B.S. 1914, University of Texas		Stickley, Elizabeth Waller	Md.
Goodman, Rose Spain	Miss.	A.B. 1928, The George Washington University	
A.B. 1914, Mississippi State College for Women		Stutz, Frank August	D.C.
Hiscox, Nell Fremont	D.C.	B.S. 1911, Lehigh University	
A.B. 1916, The George Washington University		Warthen, Thomas Vernon	Md.
Holmes, Louis Anthony	Nebr.	B.S. 1930, Washington College	
A.B. 1928, University of Nebraska			
LL.B. 1911, The George Washington University			

## THE SCHOOL OF GOVERNMENT

## BACHELOR OF ARTS IN GOVERNMENT

## JUNE 14, 1939

Anderson, Dale	S.Dak.	Kocher, Charles Peter	D.C.
Aylesbury, Virginia	Kans.	Kuppers, Robert Harlow	Fla.
Bailey, Alice K. J.	D.C.	Langdon, Roye LaVerne	Mo.
Barbee, William Clifford	Va.	Lawrie, Clementena Newbold	Orag.
Bernstein, Robert	D.C.	Madden, Myron Lewis	D.C.
Bussell, Howard Norman	Ind.	Marks, Erwin	Nebr.
Carriere, Joseph Crawford	Tex.	Meyer, Paul Monroe	Ky.
Devonald, Ira Richard	D.C.	Moorman, Marjorie Elliott	Md.
Drozain, Irving	Ill.	Morgan, Charles William	D.C.
Edwards, George Alfred	Md.	Oliver, John Crane	Conn.
Fister, Mary Diana	Nev.	Padley, Albert Frederick, Jr.	D.C.
Flanagan, Howard Elmer	Va.	Pilzer, Herbert Morton	Ga.
Fogle, Rita Estelle	D.C.	Porter, Julius Helms	Va.
Fosse, Margaret Bennett	Md.	Powers, Albert John	D.C.
Fowler, Marion Hollingsworth	D.C.	Rosensweig, Stanley Harold	D.C.
Gordon, Hyman Herbert	Conn.	Samuel, Jay Loeb	N.Y.
Gibson, Stanley Joseph	Calif.	Schiering, Harold Martin	D.C.
Harmon, Barbara Ruth	Va.	Shulman, Samuel	D.C.
Holman, Amy Elizabeth	Wyo.	Torre, Antoinette Marie	D.C.
Holdstock, Henry Bruce	Calif.	Whipple, Frances Elizabeth	Ohio

## FEBRUARY 22, 1940

Coffman, Arthur George	Ill.	Miller, Frank Richard	Utah
Draiser, Abe M.	Tex.	Rice, James Emmor, Jr.	Va.
Kaufman, Morris	N.Y.	Stolar, Morris David	D.C.
Knott, William Maury	Nebr.	Turner, Marshal Swanson	N.C.
McCoy, Harry Stanbery	Idaho	Whitaker, Robert Leighton	Idaho

## MASTER OF ARTS IN GOVERNMENT

## JUNE 14, 1939

Hays, Kenneth Newton	Kans.	Sharp, Charlotte Dean	Ohio
A.B. 1933, Municipal University of Wichita		A.B. 1937, Connecticut College	
Johnson, Kirt William	Utah	Waggener, Margaret Louise	Calif.
B.S. 1933, Brigham Young University		B.F.S. 1937, University of Southern California	
Lewis, James Histed	Pa.	Webner, William Gordon	D.C.
A.B. 1935, The George Washington University		A.B. 1936, American University	

## FEBRUARY 22, 1940

McKinnie, William	N.Dak.
B.S. 1934, North Dakota Agricultural College	

## THE DIVISION OF LIBRARY SCIENCE

## BACHELOR OF ARTS IN LIBRARY SCIENCE

## JUNE 14, 1939

Burnett, Elizabeth Susong	Tenn.	Simpson, Thomas Will	Miss.
Matthews, Annie Marguerite	Md.	A.B. 1922, College of Wooster	
A.B. 1937, The George Washington University		Vogeding, Marguerite Rebecca	Ind.
		A.B. 1931, Indiana University	

## MASTER OF ARTS IN LIBRARY SCIENCE

## JUNE 14, 1939

Smith, Mary Philomena	W.Va.
A.B. 1933, The George Washington University	

## HONORARY DEGREES

## JUNE 14, 1939

Taylor, Lewis Harvie— <i>Master of Science in Administration</i>	Hagner, Francis Randall— <i>Doctor of Science</i>
Ruediger, William Carl— <i>Doctor of Education</i>	Heming, Robert Vedder— <i>Doctor of Laws</i>

## SCHOLARSHIPS AND AWARDS

### HOLDERS OF SCHOLARSHIPS

1939-40

- The Byron Andrews Scholarships:* Rosamond Griggs, Mary Brooks Robertson  
*The Emma K. Carr Scholarships:* John Gage Allee, Edgar Robey Baker, Jr., Gustavo Belaval, Carter Milburn Bowen, Bernard Briscall Chew, Morton Vincent Churchill, Jacob Mayr Danish, Marcel Henri Paul Van Hemert, Eugene Morris Lerner, Roy Llewellyn Lowry, Felix Abraham Silverstone, Charles Waters Thompson, Henry George Wagner, Sidney Weger, John Todd Wilson  
*The Maria M. Carter Scholarship:* Paul Robert McClenon  
*The Citizens' Military Training Camps Scholarship:* Kimber Evans Vought  
*The Columbian Women Scholarships:* Emily Marguerite Allen, Ethel Denny, Dorothy Ellen Farwell, Lillian Gerstein, Elizabeth Virginia Kahler, Miriam Kalter, Margaret Audrey McDowell  
*The Isaac Davis Scholarship:* Daniel Roland Fustfeld  
*The Debate Scholarships:* Mabelle Truitt Hughes, Patricia Lynn Stewart  
*The Robert Farnham Scholarship:* Andrew Paul Dedick, Jr.  
*The Elma Lewis Harvey Scholarship:* Mary Jane Backenstoss  
*The Hugh School Scholarships:*  
*Amos Kendall Scholarships:* Herbert Stanley Benjamin, Nicholas Trephon Cokenias, Seruch Titus Kumble, Jr.  
*University Scholarships:* Harry Burton Bates, Jr., Anna Lucile Bean, Pierce Hilding Bell, Bernard Franklin Bond, Jr., Ira Vernon Brown, Mina Foster Brown, Sue Stokely Burnett, Norene Francis Burnette, Gordon Lee Calvert, Elsie Mae Carper, John Paul Carter, Jane Marie Coulter, Courthland Harwell Davis, Jr., Graul Richard Dawson, Bertha Dekelbaum, David Rumbough Donaldson, Elise Rosina Fisher, Marian Elizabeth Freehafer, Richard Etter Green, Morton Johan, Alfred Spiller Kidwell, Lillian Barbara Kolbey, Joseph Kolker, Betty Kosow, John Grason McCubbin, Frank Thomas McGinnis, Betty Louise Martin, Marjorie Collins Matthews, Robert Stone Morrison, Nancy Nimitz, Dora Kristina Oddson, Mary Jo Olin, Caroline Bowman Parkinson, Jesse Abraham Pavis, William Mathews Robinson, Eleanor Estelle Sherburne, Eleanor Marie Sholtes, Virginia Slayton Smith, Frances Anne Thomas, Margaret Belle Waddle, Robert Orr Warthen, Marjorie Vesta Wilkins, Marilyn Olga Williams, William Webb Zeller  
*The John H. Metzger Scholarship:* Benjamin Franklin Edwards II  
*The National League of Masonic Clubs Scholarships:* Martin Blake Ehrlich, Charles Knox Hellmuth, Jr., Neal Samson Hendrickson, Franklin Powell Hillman, John Edward Mellor, Edward Lee Souweine  
*The David Spencer Scholarship:* Oscar Klioze  
*The Trustee Scholarships:* Frank Earl Cuzley, Robert Bruce Duthie, Jr., Manuel José Mendez, Stephen George Pennock, William Edward Schmidt, Allen Daniel Slocum, Charlotte Weikinger.  
*The William Walker Scholarship:* Thomas Charles Slate  
*The John Withington Scholarship:* Bernard Dave Svedlow  
*The Ellen Woodhull Scholarship:* Ruth Sarah White  
*The Charles Worthington Dorsey Scholarship:* Thomas Nathan Dowd

### AWARDS

1938-39

- Alpha Chi Sigma Freshman Prizes in Chemistry:* Raymond Nathan Brown, Sidney Cox, Joseph Kolker  
*Alpha Chi Sigma Senior Prize in Chemistry:* Charles Lewis Gordon  
*Alpha Delta Pi Prize in French:* Muriel Heaton Pearce  
*Alpha Delta Theta Prize in Chemistry:* Marilyn Olga Williams  
*Alpha Kappa Psi Prize in Commerce:* Marcel Henri Paul Van Hemert  
*American Institute of Chemists Prize in Chemistry:* Joseph Marshall Mason  
*American Society of Civil Engineers Prize:* Allan Nelson Hallberg  
*American Society of Mechanical Engineers Prize:* Lawrence Wilbur Froyd  
*Rota Phi Alpha Prize in Zoology:* Vernon Franklin Bond  
*Byrne Thurston Burns Prize in Chemistry:* William Frederick Sager  
*Chi Omega Prize in Social Sciences:* Virginia Constance Dawson  
*Colonial Dames Prize in History:* Ira Vernon Brown



- E. K. Cutter Prize in English:* John Gage Allee  
*Daughters of the American Revolution Prize in American History:* Sue Stokely Burnett  
*Harry Cassell Davis Prizes in Public Speaking—*  
 First Semester: First—Margaret Kimmura  
 Second—Jesse Neal Tomey  
 Third—Jesmond Dene Balmer  
 Second Semester: First—Elvert Franklin Miller  
 Second—Edward Lenahan Good
- Isaac Davis Prizes in Public Speaking—*  
 First: Simon Rottenberg  
 Second: Scott Lucilius Kirkpatrick, Jr.  
 Third: Phoebe Jane Beall
- William Thornwall Davis Prize in Ophthalmology:* Camp Stanley Huntington  
*Delphi Prize in Junior Scholarship and Activities:* Virginia Tehas  
*Delta Sigma Rho Prizes to the Winners of the Interfraternity Debates:* Delta Zeta, Tau Kappa Epsilon  
*Delta Zeta Prize in Botany:* Leonard Small  
*Ellsworth Prize in Patent Law:* Charles Morris Hutchins  
*Elton Prize in Greek:* Marie Garland McNeese  
*European History Prize:* Simon Rottenberg  
*Joshua Evans III Memorial Prize in Social and Political Sciences:* Everett Hollis Bellows  
*Willie E. Fitch Prize in Chemistry:* William Frederick Sager  
*Edward Carrington Goddard Prize in French:* Manuel Jose Mendez  
*James Douglas Goddard Prize in Pharmacy:* Charles William Clayton  
*Morgan Richardson Goddard Prize in Commerce:* Marcel Henri Paul Van Hemert  
*Samuel Herrick Prize in Law:* Charles Morris Hutchins  
*Gardiner G. Hubbard Memorial Prize in History:* Everett Hollis Bellows  
*Henry E. Kalusowski Prizes in Pharmacy—*  
 Junior Prize: James Thomas Haden  
 Senior Prize: Seymour Adler  
*Kappa Delta Prize for Freshman Scholarship:* Katherine Ellen Barker  
*Kappa Kappa Gamma Prize in Botany:* Muriel Maxine Schatz  
*John Bell Larner Prize in Law:* Walter Erwin Wyss  
*Mortar Board Prize in Sophomore Scholarship and Activities:* Sue Stokely Burnett  
*Omicron Delta Kappa Prize in Activities:* Vincent James De Angelis  
*John Ordonaux Prize in Medicine:* Lawrence Albert Rapee  
*Phi Alpha Prize for Sophomore Scholarship:* Ira Vernon Brown  
*Phi Eta Sigma Prize for Freshman Scholarship:* Paul Robert McClenon  
*Phi Mu Prize in Political Science:* Hazel Marie Smallwood  
*Phi Sigma Kappa Prize to the Winner of the Freshman Oratorical Contest:* Edward Lenahan
- Phi Sigma Sigma Prize in Zoology:* Jean Helen Somn  
*Phi Sigma Sigma Nileen Cooper Prize in Psychology:* Martha Winters Gammon  
*Pi Beta Phi Activity Prize:* Barbara Ruth Harmon  
*Pi Lambda Theta Prize for the Most Meritorious Master's Thesis in Education:* Beverly Agnes Emmett
- Ruelle Prize in Mathematics:* Gilbert Agnew Hunt, Jr.  
*Sigma Kappa Prize in Chemistry:* Harry Merliss  
*Sigma Pi Sigma Prize in Physics:* Katherine Sheila McShane  
*Sigma Tau Prize in Engineering:* Francis Lewis Hermach  
*Stoughton Prize in Latin:* Marie Garland McNeese  
*James MacBride Sterrett, Jr., Prize in Physics:* Gaines Kenneth Palmer  
*Charles Clinton Swisher Prize in History:* Melvin Daniel Buckner  
*Theta Tau Prize in Engineering:* Charles John Mikuszewski  
*Alexander Wilbourne Weddell Peace Prize:* Leo Adolph Bushman

## STUDENT ASSISTANTS

1939-40

- Biology:* Phoebe Jane Beall, B.S., James Abbott Fowler  
*Botany:* Jesse Carleton Calver, A.B., John Leaton Kushman, Muriel Maxine Schatz  
*Business Administration:* Catherine Louise Bour, West MacKellvie Cureton, A.B., Paul Robert McClenon, Charles Wilmer Pickens, A.B.  
*Chemistry:* Bruce Bressler Bendigo, B.S., Lawrence Calvin Buckles, B.S., Isaac Feldman, Charles Lewis Gordon, B.S., Werner Max Lilienfeld, Albert Rutledge Martin, B.S., Eugene P. McAdams, B.S., Isadore Mockrin, B.S., Herman Jackson Morris, A.M., Robert Thomas O'Connor, B.S., John Howard Payne, John Watson Perry, B.S., Edward Joseph Prosen, B.S., Edward Wagman, B.S., Ernest Lyman Weise, Eleanor Werble, B.S., George Sanford Worthington, B.S.

- Economics:* Glenn Beyer, A.M., Charles Washington Holloway, B.S., John Bruce Lindeman, A.B., Robert Lee Sammons, Marcel Henri Paul Van Hemert
- Engineering:* Bernard Briscall Chew, John Brewster Willis
- Geology:* Irving Gladstein, B.S.
- History:* Anne Joyce David, Selma Freedman, Theresa Marie Holland, Edward Eugene Younger, A.M.
- Home Economics:* Marjorie Florence Allen, B.S.
- Law:* Ella Gibson Cooper, Charles Olson, B.S.
- Latin:* George Mosch Bell, B.S., Robert Lemke
- Literary:* Anna Thurman Baker, Edgar Robey Baker, Jr., Anne Marie Brunk, Helen Evelyn Craghton, A.M., Harry Lammert Eddy, A.B., Natalie Jane Hopper, Ada Florence James, Harry King Leach, William Edward Nessel, Philip Manox Oliver, Harriet Palmer Price, Ora Herbert Roberts, Jr., A.B., Mary Brooks Robertson, Raymond Austin Rogers, Thomas Charles Slate, Roger Moore Stuart, Jr., B.S., Hazel Dufis Thompson, George Rambo Walter
- Mathematics:* Robert Manahan Snow
- Pharmacy:* Frederick Dale Cautrell, Sidney Simkowitz, B.S.
- Philosophy:* Melvin Charles Halaber
- Physics:* Charles Frederick Meyer, A.M.
- Political Science:* Jeff Nick Bell, A.B., Dean Sargent Foltz, A.B., Franklin Powell Hillman, A.B.
- Psychology:* Clara Bayne Brasel, Helen Drew Leane, A.B., Nicholas Henry Pronke, John Todd Wilson
- Sociology:* Ruth Sarah White
- Statistics:* Leonard D. Peterson, A.B., Jesse Wood, Jr., M.S.
- Zoology:* Don Leverett Andrus, Doris Edna Fiveson, A.B., Jean Kelly Nielsen, B.S., Anna Snively Riley, A.B., Leonard Small, Jean Helen Sonn

# STUDENTS REGISTERED

1939-40

The names of all students registered during the regular sessions in all Colleges, Schools, and Divisions of the University appear in alphabetical order. Students who withdrew at the close of the first semester by graduation are indicated by an asterisk (\*); others who were registered for the first semester only are indicated by a dagger (†); students registered for the second semester only are indicated by a double dagger (‡).

The College, School, or Division in which the student is registered is indicated after each name. Arabic numerals indicate the semester-hours of credit at the date of first registration for the 1939-40 regular sessions. Roman numerals after the names of students in the School of Medicine and the Law School indicate the year of the course in which each student is registered.

The following abbreviations are used:

*Jun.*—The Junior College  
*Col.*—Columbian College  
*Grad.*—The Graduate Council  
*Med.*—The School of Medicine  
*Law.*—The Law School  
*Eng.*—The School of Engineering  
*Pharm.*—The School of Pharmacy

*Ed.*—The School of Education  
*Govt.*—The School of Government  
*Univ.*—The Division of University Students  
*Spec.*—Special  
*Uncl.*—Unclassified  
*L.S.*—Library Science

## A

Aamodi, Margaret Caroline (Govt. 65) Minn.  
Aamodi, Theodore Alfred (Col., A.M.) Ga.  
A.B. 1933, University of Chicago  
Adams, Franklin A. (Jun. 83) D.C.  
Adams, Sylvia May (Univ.) D.C.  
B.S. 1939, Wilson Teachers College  
Adams, Estaline Gertrude (Law I) P.R.  
A.B. 1939, The George Washington University  
Abe, Paul Yozo (Univ.) D.C.  
†Abe, Sister M. Lucy (Univ.) D.C.  
Abe, Louise, Jefferson Hyde (Jun. 12) D.C.  
Abe, Thelma, Theresa Helen (Jun. 34) Oreg.  
†Abe, Samuel Ezekiel (Univ.) Pa.  
Abraham, Alexander (Law II) N.Y.  
A.B. 1933, Brooklyn College  
Abraham, Natalie (Jun.) D.C.  
Abraham, Abraham (Law II) N.Y.  
A.B. 1931, Brooklyn College  
†Abraham, Charles (Jun. 6) N.Y.  
Abrams, Adriaan (Jun. 46) D.C.  
Abrams, Edward (Col., A.M.) N.Y.  
B.S. 1931, College of the City of New York  
†Abrams, Manuel (Col., A.M.) N.Y.  
B.S. 1939, College of the City of New York  
†Ader, Eleanor Fairfax (Jun.) D.C.  
Adams, Jane Stanley (Univ.) D.C.  
†Adelman, Paul (Jun.) D.C.  
†Ackley, Lillian Simmons (Univ.) N.J.  
A.B. 1934, The George Washington University

†Acker, Fred, Jr. (Univ.) Tex.  
A.B. 1934, Baylor University  
†Adams, Cecil Turner (Univ.) Ohio  
Adams, Charles Wesley (Univ.) Pa.  
\*Adams, Edmund (Col. 126) Mich.  
Adams, George David (Jun. 81) D.C.  
Adams, James Clay (Jun.) D.C.  
Adams, Lorraine Towson (Ed., A.M.) Va.  
A.B. 1939, The George Washington University  
Adams, Lois Marjory (Law, I.L.M.) Ohio  
A.B. 1939, I.L.B. 1938, The George Washington University  
Adams, Otis Fuller (Law I) Colo.  
A.B. 1939, University of California  
Adams, Raiston H. (Med. I) Md.  
Adams, Samuel Webster (Jun.) D.C.  
Adams, Tim Carl (Govt. 79) Tex.  
†Adams, Zulema Borge (Univ.) Fla.  
Adams, Helen Celeste Ann (Univ.) N.J.  
Adams, Keith Earl (Univ., Uncl.) Kans.  
Addington, Orville Wadde (Col., A.M.) Va.  
B.S. 1931, Emory and Henry College  
Agar, Fred Benson, Jr. (Med. II) D.C.  
A.B. 1938, The George Washington University  
Ageloff, Louis J. (Jun. 2835) N.Y.  
Ager, Howard Carleton (Law I) Mont.  
A.B. 1933, University of Montana  
Agnew, Henry Amos (Univ.) D.C.  
\*Ahalt, Alice Palmer (Col. 109) Va.  
\*Akers, Thomas Patrick (Col., A.M.) D.C.  
B.S. 1938, The George Washington University  
Aichele, George (Law II) Ill.  
B.S. 1932, University of Illinois



†Aiken, Richard (Ed., A.M.) B.S. 1933, Kent State University	D.C.	Alston, Quentin L. R. (Law I) A.B. 1939, University of Utah	Utah
Akers, Edna (L.S. 11434)	Ky.	Altman, Oscar Louis (Law, Uncl.) A.B. 1929, A.M. 1930, Cornell University	D.C.
Alkman, Leonard Carl (Jun. 50)	D.C.	Ph.D. 1936, University of Chicago	N.Y.
Albright, M. Louise (Ed., A.M.; Univ.) A.B. 1933, A.M. 1940, The George Washington University	D.C.	Altman, Ralph (Law, LL.M.) A.B. 1936, New York State College for Teachers	N.Y.
‡Albright, Mildred Booth (Jun.) Alden, Louise Carolyn (Jun. 60)	D.C.	LL.B. 1939, Albany Law School.	N.Y.
Alden, Manning Wallace (Med II) A.B. 1939, The George Washington University	D.C.	Alvather, Helen Winifred (Ed. 8734)	Tex.
‡Alderman, John D. (Col. 81)	Fla.	Alvord, Charles Hulbert, Jr. (Jun. 25)	D.C.
Aldrich, Clair M. (Law II) B.S. 1937, Brigham Young University	Utah	Amble, George Chester (Col. 115)	Pa.
Alexander, Harold Bell (Jun. 30)	Tex.	Amend, John Frederick (Jun. 52)	N.Y.
‡Alexander, Louis (Univ.)	N.Y.	Amendola, Edward A. (Jun. 63)	D.C.
Alexander, Nell Starling (Col. 106)	Ky.	*Ames, Dorothy Louise (Col. 11534)	W.Va.
Alexander, Virginia Garton (Jun. 71)	Tex.	Amick, Frederick Eugene (Med. I)	D.C.
‡Alexis, Everett Crispin (Jun.)	D.C.	†Amig, Margaret Charlotte (Col., A.M.) A.B. 1939, Goucher College	D.C.
†Allers, John B. (Univ.)	Kans.	‡Ammann, Barbara Elizabeth (Jun.) Ammertman, Harvey (Med. I)	Conn.
B.S. 1938, Kansas State College		B.S. 1939, The George Washington University	
Alford, James Strickler (Jun. 40)	Mo.	†Anastasiopoulos, Christy (Ed. 75)	N.H.
Alford, William Curtis (Col., A.M.) B.S. 1938, Millsaps College	Miss.	Andelman, Morton Bernard (Med. II) B.S. 1937, New York University	N.J.
Allee, John Gage (Col., A.M.) A.B. 1939, The George Washington University	Mont.	Andersen, Alice Klopstad (Col. 78)	S.Dak.
Allen, Anna Mae (Jun. 50)	N.I.	Andersen, Arthur Olaf (Law II) B.S. 1933, Worcester Polytechnic Institute	Mass.
†Allen, Artae M. (Univ.)	Md.	Anderson, Alexander (Jun. 45)	Va.
†Allen, Barbara E. (Univ.)	D.C.	†Anderson, Alice Violet (Univ.) B.S. 1932, Northwestern University	D.C.
†Allen, Christine Silver (Univ.)	W.Va.	†Anderson, Alton Dewitt (Jun. 50)	D.C.
Allen, Emily Marguerite (Ed. 70)	D.C.	†Anderson, Angeline Elizabeth (Ed. 91)	D.C.
Allen, Harwell Leonard (Law III) A.B. 1936, Louisiana College	La.	*Anderson, Catherine Russel (Ed., A.M.) B.S. 1921, Hastings College	D.C.
Allen, Henry Edward (Govt., A.M.) B.S. 1934, Washington and Lee University	Tex.	Anderson, David (Univ.)	Va.
†Allen, Hugh Arthur, Jr. (Jun. 60)	Va.	Anderson, Edna Othelia (Univ.)	Wash.
Allen, Jean Brooks (Jun.)	D.C.	†Anderson, Frank (Jun.)	D.C.
Allen, John Bolling (Univ.)	D.C.	Anderson, Gilbert I. (Med. II) A.B. 1939, The George Washington University	Iowa
Allen, Mabel Randolph (Ed., A.M.) A.B. 1924, University of Richmond	Va.	Anderson, Hayward Hunter (Univ.)	Ohio
†Allen, Marjorie Florence (Univ.) B.S. 1939, The George Washington University	Maine	Anderson, Helen (Jun. 48)	N.Y.
Allen, Roy Charles (Jun. 42)	D.C.	Anderson, Howard Jeremy (Law III) A.B. 1936, University of Utah	Utah
Allen, Thomas Wayne (Jun. 31)	Pa.	Anderson, John Chris (Law II) B.S. 1938, University of Kansas	Kans.
Alley, Doris Valentine (Jun. 54)	Nebr.	†Anderson, Leroy Victor (Jun. 6)	D.C.
†Alley, Joshua Bishop, Jr. (Law I) A.B. 1939, West Virginia University	D.C.	†Anderson, Pearl Rosalin (Col., A.M.) B.S. 1936, Montana State College	Mont.
Allgrove, Jessemin Nelson (Jun. 9)	Mass.	†Anderson, Peter Harden (Univ.) A.B. 1936, The George Washington University	D.C.
Allison, H. Bryan (Eng.; Jun.)	Tex.	Anderson, Robert Smith (Univ.) B.S. 1920, A.M. 1931, Columbia University	D.C.
Allison, Samuel Francis (Law II) A.B. 1925, B.S. 1927, Susquehanna University	Pa.	Anderson, Sarah McEachen (Col. 93)	Va.
Allison, Sarah Bernice (Jun. 55)	Mo.	Anderson, Stewart A. (Med. I)	Calif.
‡Allman, George P. (Univ.)	D.C.	Anderson, Wendell B. (Law II) B.S. 1935, Utah State Agricultural College	Utah
Allman, Leo Michael (Ed., A.M.) B.S. 1937, Wilson Teachers College	D.C.	Andresen, Arden Leedy (Law II)	Colo.
Allunt, Edith Louise (Univ.)	Va.	Andresen, Paul (Univ.) A.B. 1938, The George Washington University	Colo.
‡Allred, Edith Doris (Univ.)	D.C.	Andrach, Dan John (Univ.)	Minn.
Almgren, Frederick Justin (Law II) B.S. 1924, Alabama Polytechnic Institute	Ala.	Andrus, Don Leverett (Col. 86)	Colo.
†Almquist, Norman Theodore (Univ.)	Kans.	Ankle, Elizabeth Montague (Ed. 11634)	D.C.
Alpert, Rena Grace (Law III) A.B. 1937, Hunter College	D.C.	Angus, Alice (Law, LL.M.) A.B. 1922, LL.B. 1925, University of North Dakota	N.Dak.
†Alpher, Judith (Ed., A.M.) B.S. 1934, Wilson Teachers College	D.C.	App, Oliver Leonard (Ed. 70)	Wis.
Alpher, Ralph Oscar (Jun. 36)	D.C.		
‡Alschuler, Evelyn Gardner (Ed. 89)	D.C.		





Bairstow, Richard Raymond (Law I)	Ill.	Barber, Renee Elizabeth (Jun.)	D.C.
A.B. 1910, University of Illinois		Barbuto, Anthony Robert (Eng. 25)	Conn.
Baisden, Alexander Thomas (Jun. 6)	D.C.	†Bardes, Harriet (Univ.)	N.Y.
†Baken, Sydney (Univ.)	N.Y.	A.B. 1916, Hunter College	
Baker, Anna Thurman (Col., A.M.)	Va.	Bardwell, Katharine Kirk (Ed. 56)	D.C.
A.B. 1917, The George Washington University		†Barefield, Theodore Barry (Jun. 18)	Miss.
Baker, Edgar Robey, Jr. (Col. 64)	D.C.	Barefoot, Julius Jackson (Univ.)	N.C.
Baker, Harry LeRoy (Jun.)	Okla.	Barger, Ben (Jun.)	D.C.
†Baker, Henry Mason (Jun. 6)	Ill.	Barger, Benjamin Melvin (Jun. 36)	D.C.
†Baker, Homer Horton (Univ.)	D.C.	Barker, Alma (Ed., A.M.)	D.C.
Baker, Lois Rose (Col., A.M.)	Iowa	A.B. 1920, The George Washington University	
A.B. 1931, Colorado State College of Education		Barker, William Samuel (Col., A.M.)	Tenn.
Baker, Martha Thornburg (Ed., A.M.)	D.C.	A.B. 1915, King College	
A.B. 1920, Marshall College		Barkley, Mabel A. (Ed., Ed.D.)	D.C.
Baker, Stewart Lee (Jun. 44)	D.C.	B.S. 1925, A.M. 1927, Peabody College	
Baker, William Keene (Univ.)	D.C.	†Barnes, Albert Wilson (Jun.)	Pa.
Balch, Moulton H. (Jun. 78)	Maine	Barnes, Alice M. (Univ.)	Kans.
Balcom, Margaret MacDonell (Col. 9124)	Md.	Barnes, Charles Henry (Univ.)	Colo.
Baldinger, Leonard (Jun. 96)	Pa.	Barnes, Esther Elizabeth (Univ.)	Kans.
†Baldinger, Sheldon Ziegler (Jun.)	D.C.	†Barnes, Helen Elizabeth (Jun. 3)	La.
Baldwin, Charles Franklin, Jr. (Jun. 66; Col.)	Mich.	†Barnes, Jeanne H. (Univ.)	D.C.
†Baldwin, Franklin Hunter (Univ.)	D.C.	†Barnes, Joseph Francis (Law III)	Va.
Baldwin, George Hull, Jr. (Law I)	D.C.	B.S. in Eng. 1923, University of Michigan	
B Eng. 1916, Yale University		†Barnes, Mary Helen (Col. Uncl.)	Va.
Baldwin, Harriet Gertrude (Jun. 6)	D.C.	A.B. 1902, Mary Baldwin College	
Baldwin, Harry Connor (Univ.)	D.C.	B.S. in Ed. 1925, University of Virginia	
Baldwin, Thomas Robbins (Law II)	D.C.	Barnes, Phyllis Elaine (Jun. 42)	Ill.
B.S. 1912, The George Washington University		†Barnett, Alvin Russell (Eng. 96)	Ky.
Baldwin, William Howard (Jun. 9)	D.C.	Barnett, Louie M. (Univ.)	Ark.
Balestra, William Louis (Eng. 6)	Ill.	†Barnhart, William Preston (Univ.)	N.Y.
Ball, Frederic Joseph (Law II)	Ohio	Barnwell, William Eugene (Univ.)	Ga.
A.B. 1925, Heidelberg College		B.S. 1921, Presbyterian College	
Ball, James Andrew (Law I)	Ind.	†Barr, Dorothy Frances (Univ.)	Va.
A.B. 1910, Indiana State Teachers College		Barr, Dorothy Lillian (Jun. 27)	D.C.
Ball, Lattleton Read (Univ.)	Va.	†Barr, Earl Wilfred (Univ. 12)	D.C.
Ballard, Joseph William (Eng. 41)	N.Mex.	†Barr, John (Univ.)	D.C.
Ballard, Richard Patten (Eng. 35)	Colo.	B.S. 1902, University of Illinois	
Ballard, Ruby J. (Univ.)	D.C.	D.D.S. 1909, University of Southern California	
Ballou, Edwin Jay (Eng. 64)	Md.	Barr, John Lester, Jr. (Law I)	Md.
Balog, Jeannine Marie (Jun. 12)	D.C.	A.B. 1939, Harvard University	Nebr.
Balwanz, William W. (Eng. 98)	Ohio	Barr, Leonard DeLoss (Jun.)	Mass.
†Banachowski, Chester (Ed., A.M.)	Pa.	Barrett, Charles Joseph (Law I)	
A.B. 1917, The George Washington University		A.B. 1920, Boston College	Calif.
Banigan, Calvin Byron (Law I)	Nev.	Barrett, Edward Newell (Law I)	
B.S. 1911, University of Nevada		A.B. 1939, University of California	Ind.
†Banks, Dolly Madison (Jun. 39)	Ky.	†Barrett, Mary Anne (Col. 68)	Utah
Banks, Don H. (Law III)	Utah	†Barrett, Orrice Abram (Jun.)	Miss.
Banks, Elizabeth Anna (Law I)	Conn.	†Barrett, Robert Vinson (Univ.)	Utah
A.B. 1932, The George Washington University		Barrett, William Waldo (Jun. 32)	Wash.
Banning, Eugene Rutherford (Jun. 42)	D.C.	Barrie, Velma Edith (Jun. 44)	D.C.
Bannon, Francis L. (Law II)	Wash.	†Barringer, Nancy Laetitia (Jun.)	Md.
Banyas, Lawrence (Col., A.M.)	N.Y.	†Barron, Margaret E. (Univ.)	
B.S. 1910, College of the City of New York		A.B. 1928, University of Michigan	
B.S. in C.E. 1914, The George Washington University		A.M. 1930, University of Maryland	N.Mex.
Barauskas, Anthony Peter (Jun. 64; Ed.)	N.Y.	Barrows, James Leroy (Govt. 89)	Ill.
Barber, Frederick Willard (Jun. 87)	Calif.	Bartels, Winona Evelyn (Jun. 18)	Wis.
Barber, George W. (Univ.)	D.C.	†Bartelt, August Werner (Law I)	
A.B. 1918, American University		A.B. 1930, University of Wisconsin	D.C.
A.M. 1917, The George Washington University		Bartelt, Betty Jane (Col. 51)	Ohio
†Barber, Oren Gilbert (Law I)	Ill.	Bartha, Rose Irma (Univ.)	Utah
B.S. 1920, Northwestern University		†Barton, Blayne Jones (Col. 97)	
		LL.B. 1918, The George Washington University	D.C.
		Barton, Charles Edwin (Ed., A.M.)	
		A.B. 1934, Juniata College	D.C.
		*Barton, Floretta Gibson (Ed., A.M.)	
		A.B. 1930, Northwestern University	D.C.
		Barton, Jackson Arthur (Med. III)	Md.
		†Barton, Margaret Furlow (Jun. 61)	



†Barton, Robert Gordon (Jun. 45)	Calif.	Beath, Paul Robert (Law I)	Nebr.
Barton, William Karl (Med. I)	D.C.	A.B. 1928, University of Illinois	
†Bass, Essie Barbara (Univ.)	N.C.	A.M. 1930, University of Wisconsin	
Bass, Miriam Elizabeth (Col. 101)	Ga.	Beatson, Whitwell Torre (Eng.)	Va.
Bassett, Ellsworth Watson (Eng. 54)	Va.	Beatty, Harry B. (Jun. 24)	D.C.
Bassett, Wilmer Wilson (Univ.)	Va.	†Beatty, William Cloyd (Jun.)	Va.
B.S.A. 1937, University of Florida		†Beauchamp, J. D. H. (Govt., A.M.)	Ark.
Bassford, James Cockrelle (Govt. 84)	Md.	A.B. 1937, University of Arkansas	
Basso, Michael Frank (Jun.)	D.C.	†Behb, Bayard Rockwood (Jun.)	Wash.
†Batchelor, Grace Edna (Univ.)	D.C.	Bechtel, Kenneth Philip (Law III)	D.C.
Bateman, Jeanne Cecile (Med. II)	D.C.	A.B. 1934, Stanford University	
A.B. 1919, The George Washington University		Beck, James McEntire (Jun. 21)	Ga.
Bates, Betty Coates (Govt. 100)	D.C.	†Beck, William Eugene (Univ.)	D.C.
Bates, Harry Burton, Jr. (Jun.)	Va.	†Becker, Edmund F. (Col. 119)	Ind.
Bates, Harry Clark, Jr. (Med. I)	Va.	*Beckerman, Lawrence (Law III)	N.Y.
B.S. 1930, University of Virginia		A.B. 1934, Brooklyn College	
Batson, Kenneth T. (Jun. 84)	Tex.	Beckler, David Zander (Law I)	N.Y.
Battiste, Francis Xavier (Jun.)	D.C.	B.S. 1939, University of Rochester	
Battley, Lawrence Brewer, Jr. (Jun. 4)	Tex.	Bedsworth, Olevia Estelle (Jun. 66, Ed.)	D.C.
Bauerfeld, Carl Frederick (Jun. 24)	Md.	†Bee, Max Culbertson (Univ.)	Utah
Bauerfeld, Samuel Richard (Jun.)	Md.	A.B. 1931, Park College	
Bauch, Caroline Elizabeth (Col. 104)	D.C.	Beebe, John Elliott (Law I)	Kans.
Baum, Shirley Flame (Jun.)	D.C.	A.B. 1937, Municipal University of Wichita	
Baumberger, Charles Wesley (Med. I)	W. Va.	Beebe, William Boswell (Govt. 71)	Iowa
†Baumgardner, Woodrow A. (Law II)	Tenn.	Beebe, William Dow (Eng. 51)	Md.
A.B. 1934, Lincoln Memorial University		Beck, John, Jr. (Grad., Ph.D.)	Wash.
Baumeister, George Edward, Jr. (Univ.)	Ill.	B.S. 1927, University of Washington	
Baxley, Benjamin Hoad (Med. I)	Wash.	A.M. 1932, The George Washington University	
Baxter, Alberta Lee (Univ.)	Tenn.	Been, Richard Orlaf (Grad., Ph.D.)	Mich.
†Baxter, Cool Clayton (Jun. 53)	D.C.	A.B. 1937, A.M. 1939, The George Washington University	
Baxter, Elsie Arlene (Jun.)	Ky.	Behn, Eric R. (Law II)	Va.
Bass, Catherine (Univ.)	D.C.	B.S. in E.E. 1932, Cooper Union	
†Beynield, William Wyndham (Law I)	D.C.	M.E.F. 1937, Polytechnic Institute of Brooklyn	
B.S. 1939, Yale University		Behn, Victor Dietrich (Law III)	N.Y.
Bash, Birch Evans (Ed., Ed.D.)	Md.	B.S. in E.E. 1931, Cooper Union	
A.B. 1937, Indiana State Teachers College		A.M. 1936, The George Washington University	
A.M. 1932, Columbia University		Behrens, Arthur Hilstad (Law III)	Wash.
Bayles, James Madison, Jr. (Law III)	N.J.	B.S. 1934, University of Washington	
A.B. 1934, Dartmouth College		†Beldeman, Elliot F. (Col., A.M.)	Calif.
Bazan, Horace Buchanan (Col. 84)	Ohio	A.B. 1937, The George Washington University	
Beasley, Eleanor Gregory (Jun. 10)	Va.	Beil, Pierce Hilding (Col. 66)	D.C.
Beasley, Charles Eugene (Govt. 65)	D.C.	Belawal, Gustav S. (Med. II)	P.R.
Beale, Wilson Thomas Moore (Univ.)	Pa.	Belen, Frederick Christopher (Law II)	Mich.
A.B. 1931, Princeton University		A.B. 1937, Michigan State College	
M.B.A. 1934, University of Pennsylvania		†Belknap, Margaret (Univ.)	D.C.
†Beall, Beulah May (Univ.)	Md.	Bell, George Moench (Law II)	D.C.
B.S. 1914, Mary Washington College		B.S. 1935, Utah State Agricultural College	
†Beall, Clara Ellen (Univ.)	D.C.	Bell, Hannah Perley (Col., A.M.)	D.C.
Beall, John Arthur (Med. II)	Ohio	A.B. 1938, The George Washington University	
A.B. 1938, Ohio Wesleyan University		Bell, Jeff Nick (Govt., A.M.)	Tex.
Beall, Marjorie (Jun. 49)	D.C.	A.B. 1939, Baylor University	
Beall, Phoebe Jane (Col. A.M.)	D.C.	†Bell, Pauline Thomas (Univ.)	D.C.
B.S. 1930, The George Washington University		B.S. 1936, Wilson Teachers College	
†Beamer, David Joe (Jun.)	Mo.	Bellows, Everett Hollis (Col., A.M.)	D.C.
Bean, Anna Lucille (Jun.)	D.C.	A.B. 1937, The George Washington University	
†Beate, Herrick Franklin (Univ.)	Maine	Belmont, Howard H. (Jun.)	Calif.
Beard, Paul (Jun.)	D.C.	Bendigo, Bruce Bressler (Col. 12616; Col., A.M.)	N.C.
Beard, Ward Powers (Jun. 26)	Va.	B.S. 1940, The George Washington University	
Beardsley, David Albert (Jun.)	Tex.	Benedict, Evans Hughes (Univ.)	Wis.
Beardsley, Everett Lewis (Jun.)	D.C.	Beneman, Charles Henry (Jun. 19)	D.C.
†Beardsley, Thomas Dayton (Univ.)	Md.		
Beardsley, William Judson (Jun.)	Conn.		
†Beasley, Delmar Otis (Law III)	Miss.		
A.B. 1914, The George Washington University			

Benenson, Hyman (Jun. 71)	D.C.	Beronio, Peter Anthony (Govt. 99)	N.J.
Benenson, Martha (Univ.)	D.C.	Beroza, Morton (Col. 64½)	N.Y.
A.B. 1931, The George Washington University		†Berrisford, Jack Durard (Jun.)	D.C.
Beneshan, Sebastian Conrad (Eng. 12)	D.C.	Berry, Elaine (Jun. 29)	Ill.
Bengtson, John Willard (Col. A.M.)	Nebr.	†Berry, Margaret Louise (Jun. 30)	D.C.
B.S. 1937, University of Nebraska		†Berry, Ruth Elizabeth (Univ.)	N.C.
Benjamin, Herbert Stanley (Jun.)	D.C.	Berryman, Wheeler Kirk (Ed. 64½)	Va.
Benko, Margaret Antoinette (Ed., A.M.)	N.J.	LL.B. 1926, The George Washington University	
B.S. 1934, Ohio University		Bers, Melvin (Jun.)	D.C.
†Benner, Carl Alton (Eng. 24)	D.C.	†Berson, David (Jun.)	D.C.
Benner, James Harrison (Law II)	Md.	†Berukatis, Helen (Univ.)	Pa.
A.B. 1930, University of Maryland		Best, Louis Morris (Law I)	Ark.
†Bennett, Dorothy May (Univ.)	N.J.	Best, Ronald Harvey (Ed., A.M.)	S.Dak.
Bennett, Emily Frances (Jun.)	Md.	B.S. 1931, Eastern State Teachers College	
Bennett, Evert G. (Eng. 82)	Oreg.		Ohio
†Bennett, Joseph Harry (Univ.)	D.C.	Betsch, Carl Arthur (Col. 83)	D.C.
B.S. in C.E. 1938, University of Maryland		†Betts, Madge Ellen (Jun.)	D.C.
†Bennett, Lois Eloise (Jun.)	Minn.	†Betts, Mary McIntire (Jun. 29)	D.C.
†Bennett, Mary Ellen Serborn (Jun.)	D.C.	Beveridge, Andrew Bennie (Law II)	Md.
Bennett, Millard MacDonald (Law II)	S.Dak.	B.S. 1936, University of Maryland	
A.B. 1937, Yankton College		Beveridge, George David, Jr. (Jun.)	D.C.
Bennett, Winfield Dewitt (Law I)	D.C.	†Beverley, Mary Welby (Jun. 15)	Tex.
A.B. 1933, A.M. 1935, The George Washington University		Beyms, Russell Morton (Jun. 18)	Vt.
Bennison, Richard Young (Law I)	Utah	Beyer, Glenn H. (Grad. Ph.D.)	S.Dak.
A.B. 1928, University of Utah		A.B. 1935, Augustana College	
Bens, Henry Jan (Col. 98)	Pa.	A.M. 1939, The George Washington University	
Benson, Arvid Oswald (Jun. 32)	D.C.	Bialek, Samuel Maurice (Jun. 115)	D.C.
Benson, Thelma (Univ.)	Ala.	Biam, Adolph Paul (Jun.)	Pa.
†Besquette, Albert Joseph (Univ.)	D.C.	Bickell, Shirley Lillian (Jun.)	Mich.
Berchold, Louise Elizabeth (Ed., A.M.)	D.C.	Bicknell, Edwin Francis (Col. A.M.)	Ill.
B.S. 1936, Wilson Teachers College		B.S. 1927, University of Illinois	D.C.
Berdick, Murray (Eng. 68)	N.Y.	†Biederman, Morris Oscar (Jun. 9)	N.H.
Berens, Robert James (Law III)	Minn.	Bienvenue, Richard Henry (Univ.)	
B.B.A. 1936, University of Minnesota		B.S. 1936, University of New Hampshire	N.Y.
†Berenson, Anna (Univ.)	D.C.	Bier, William (Law I)	
†Beres, Louis Balantine (Ed., A.M.)	Va.	B.S. 1939, Brooklyn College	
B.S. 1934, University of Alabama		Bierman, Josephine Abigail (Jun. 68)	D.C.
†Berg, Jacob (Law I)	N.Y.	Biewer, Maurice Herman (Univ.)	Kans.
A.B. 1927, A.M. 1928, The George Washington University		Borakke, Alfred Benjamin (Jun. 6)	Minn.
†Berner, Felix (Univ.)	N.Y.	Borges, Howard Matthew (Univ.)	D.C.
†Berner, Joseph Richard (Univ.)	Calif.	B.S. 1934, University of Maryland	Ohio
Berner, Nedwin Gerhard (Law II)	Kans.	Bugler, James Campbell (Law I)	
B.S. 1932, University of Kansas		B.S. 1932, United States Naval Academy	
†Bengerson, Kenneth Louis (Jun. 12)	D.C.	Bidden, William Otis (Jun. 49)	Minn.
†Bergquist, John Gordon (Jun.)	D.C.	†Bilder, Milton (Col. 199)	Calif.
†Berkson, Jeannette F. (Univ.)	Ill.	†Bills, Darrell Dwight (Jun.)	Pa.
Berlin, Sylvia Irene (Jun. 12)	D.C.	Binder, Camilla (Govt. 89)	D.C.
Berman, Isadore (Univ.)	Pa.	Binder, Irving Myer (Jun. 71)	Utah
A.B. 1932, A.M. 1932, University of Pennsylvania		Bineham, Marvin W. (Col. 69)	D.C.
†Berman, Stanley (Jun.)	D.C.	Bingley, Anne Seymour (Jun. 41)	D.C.
Bernard, Amelia Camille (Ed. 106)	La.	Birkner, Carl Joseph (Pharm. 93)	Pa.
Bernard, Henri Joseph (Jun. 53; Ed.)	Md.	Bird, Rymoth Robert (Univ.)	Wash.
†Bernat, Leo (Univ.)	Okl.	†Birdsell, Leatha Irene (Jun.)	Md.
LL.B. 1940, The George Washington University		†Birely, William Cramer (Jun.)	D.C.
†Bernson, Martha Elizabeth (Jun.)	Minn.	Birge, Walter William (Univ.)	
Bernstein, Bernard (Jun. 24)	N.Y.	A.B. 1935, Harvard University	D.C.
Bernstein, Charles (Med. III)	N.Y.	Birkby, Leda Virginia (Col. 94)	Pa.
A.B. 1938, The George Washington University		Birt, Gladys (Univ.)	Md.
Bernstein, Charles Nathaniel (Univ.)	N.Y.	Bish, Charles Edward (Ed., Ed.D.)	
Bernstein, Cyrus (Law I)	N.Y.	A.B. 1925, Western Maryland College	
B.S. 1933, College of the City of New York		A.M. 1936, The George Washington University	Ill.
Bernstein, Edith Ann (Univ.)	D.C.	Bishop, Forrest Liston (Jun.)	Mass.
Bernstein, William Herbert (Jun.)	D.C.	Bishop, George Edward (Jun. 18)	Tenn.
Bero, Dorothy Lee (Jun. 75)	Kans.	Bishop, Morris Comstock (Col. 104)	N.Y.
†Bero, Evelyn Elizabeth (Univ.)	Mich.	Bishton, Charles Alfred (Univ.)	Idaho
		†Bisegger, Laror (Univ.)	D.C.
		Black, Emilie Annabelle (Jun. 65)	Md.
		Black, Helen Scott (Univ.)	



†Black, Jane Richardson (Univ.)	Md.	†Bocock, Mary Nell Ruth (Univ.)	Va.
Blackburn, Ardis (Law III)	Mo.	†Bodily, Gerald P. (Col., A.M.)	Idaho
Blackburn, Samuel Willard (Jun.)	Fla.	B.S. 1939, Brigham Young University	
Blackstone, Anne Woodall (Jun. 24)	Md.	Body, Alfred Carpenter (Law II)	Ohio
Blackney, William Wallace (Jun. 21)	Mich.	B.S. 1937, Case School of Applied Science	
Blackwell, Doris Catherine (Ed. 103)	D.C.	Boehly, Henry William (Eng. 3)	Va.
Blackwell, Miriam Lewis (Jun.)	D.C.	†Boesch, Harold Edwin (Univ.)	D.C.
Blades, Thomas E. (Univ.)	Ill.	B.S. 1937, Wilson Teachers College	
†Blair, Edwin (Jun.)	N.Y.	Boesch, Paul Raymond (Col. 82)	D.C.
†Blake, Eloise Sinks (Law I)	Ohio	LL.B. 1937, The George Washington University	
B.S. 1937, Western Reserve University		†Bogan, Gertrude Louise (Univ.)	D.C.
Blakemore, Hattie Dawson (Univ.)	D.C.	A.B. 1926, Trinity College	
B.S. 1935, New York University		A.M. 1945, Columbia University	
†Blakelee, Newton V. (Univ.)	D.C.	†Bolan, Joseph Barrows, Jr. (Col. 121)	D.C.
A.B. 1931, Trinity College, Connecticut		Boards, Alexander (Univ.)	D.C.
Blanchard, Edna Lillian (Jun.)	N.Y.	†Boratz, Herman (Univ.)	N.Y.
Blanchard, Joy Richard (Col., A.M.)	Va.	Roger, J. Robert (Jun.)	Wash.
A.B. 1935, The George Washington University		Boss, Gilmer Glenn (Jun. 21)	W.Va.
Bland, William Benjamin (Univ.)	D.C.	†Bostad, Abraham (Univ.)	N.Y.
Blandford, Lucille Catherine (Jun. 9)	Ky.	Borren, Inez Eugenia (Jun. 60)	Ill.
Blankin, Bernard (Col. 81)	D.C.	Borrell, Willard Elton (Col. 98)	D.C.
Blanton, Joseph Edwin (Univ.)	Tex.	†Borren, LeVon M. (Univ.)	Nebr.
B.S. 1929, M.F.A. in Arch. 1932, Princeton University		B.S. 1934, Nebraska State Teachers College	
Blau, Edith (Ed., A.M.)	Md.	Bosen, Morton (Jun. 51)	N.Y.
A.B. 1924, Radcliffe College		Boland, Grace Marie (Col. 98)	Md.
†Bledsoe, Edwin Page, Jr. (Law, LL.M.)	Va.	†Bolan, Kathleen Virginia (Jun. 20)	Md.
B.S. 1930, Washington and Lee University		Boley, Morris Victor (Col. 107)	Okla.
LL.B. 1939, The George Washington University		†Boley, Mary Sullivan (Univ.)	Md.
Bledsoe, John Baker, Jr. (Jun. 72)	Ala.	Boles, John Willard (Jun. 18)	Pa.
Blew, Genevieve Spence (Ed., Ed.D.)	Md.	†Bollinger, Theresa (Law I)	D.C.
A.B. 1936, American University		A.B. 1938, The George Washington University	
Blick, Milton Harold (Jun.)	D.C.	Bollotin, Sarah Dornthea (Univ.)	Ohio
Block, Herbert Edward (Med. IV)	D.C.	Bolster, Edward Andrew (Jun. 46)	Calif.
Block, Samuel Albert (Col., A.M.)	N.Y.	Bond, Vernon Franklin, Jr. (Jun. 54)	Va.
B.B.A. 1932, College of the City of New York		Bon Durant, Julia Elizabeth (Col. 96)	D.C.
Blodgett, William Winthrop, Jr. (Jun. 28)	D.C.	Bonbrake, Josephine Lucille (Jun. 11)	Va.
Blond, Hyman J. (Law III)	D.C.	Bonesteel, J. Martin (Univ.)	D.C.
Bloom, Marvin K. (Col., A.M.)	N.Y.	Bonga, Bernese Marie (Jun.)	Minn.
B.S. 1924, College of the City of New York		Boniface, George Bernard (Eng.)	S.C.
Bloomington, Gene Goy (Jun. 44)	Va.	Bennell, Elwyn Thomas (Govt. 60)	Mich.
†Blumenauer, Thomas William, Jr. (Jun.)	D.C.	Bennell, Grace May (Univ.)	Va.
†Blumenkranz, Elizabeth Justine (Univ.)	D.C.	Bonnett, Leo Victor (Govt., A.M.)	D.C.
Blumensadt, Paul Eric (Eng. 24)	D.C.	A.B. 1937, University of Minnesota	Minn.
Blumenstein, Joanna (Univ.)	D.C.	Book, John Adrian (Law I)	
†Blumenthal, Lawrence Mason (Univ.)	D.C.	A.B. 1937, University of Minnesota	D.C.
Blumenthal, Lester Sylvan (Med. III)	D.C.	†Booklan, Diana (Jun. 18)	N.J.
A.B. 1938, The George Washington University		Boone, Elizabeth Hine (Law II)	
Blumenthal, Philip Louis (Univ.)	D.C.	A.B. 1930, Sweet Briar College	Pa.
A.B. 1939, University of Minnesota		Boote, Ward Etheridge (Govt. 91)	
Blumendal, Phyllis Ruth (Ed. 64)	Conn.	LL.B. 1922, LL.M. 1923, Georgetown University	Okla.
†Blundon, Kenneth Edwin (Med. I)	Md.	Booth, August Marshall (Law, Und.)	
†Boardman, William Fairweather (Univ.)	D.C.	LL.B. 1922, The George Washington University	
C.E. 1929, Rensselaer Polytechnic Institute		Booth, Murphy Byron (Ed. 89)	D.C.
M.S. 1932, Virginia Polytechnic Institute		†Boover, George W. (Jun. 9)	Miss.
†Bobbitt, Kimball R., Jr. (Jun. 41)	Fla.	Bosquel, Francis Wolfe Peter (Law II)	Pa.
†Bobbitt, Oscar Price (Jun. 53)	Tex.	B.S. 1934, Lehigh University	
Bobby, Harold Jerome (Jun.)	D.C.	Borchelt, Benjamin August (Law I)	Mo.
Bock, Gustavus Denton (Med. IV)	Calif.	†Borla, Joseph Francis (Col., A.M.)	Pa.
A.B. 1935, University of Utah		A.B. 1936, Pennsylvania State College	
		†Borden, Harrington Robert (Jun.)	D.C.
		†Borg, Evelyn Nelson (Univ.)	D.C.
		A.B., Ed.B. 1929, University of Colorado	
		†Borgen, Evelyn Talmadge (Univ.)	N.Y.
		A.B. 1936, Hunter College	



†Borner, Barbara Triena (Jun. 26)	D.C.	Boyland, Paul Maurice (Eng. 36)	Md.
Bortnick, Morris Herman (Jun. 80; Pharm.)	D.C.	Boyle, Freda Mary (Law I)	Ohio
Borom, Bruce H. (Med. I)	D.C.	A.B. 1937, Marietta College	
†Bosley, Herbert K. (Ed., Ed.D.)	D.C.	Boyle, Peter Joseph (Jun. 24)	Minn.
A.B. 1921, West Virginia Wesleyan College		Bracher, Nancy M. (Col. 116; Col., A.M.)	Ind.
A.M. 1934, American University		A.B. 1948, The George Washington University	
†Bosow, Jerry Gerald (Jun. 23)	D.C.	Bracht, Berend (Univ.)	N.Y.
†Bosserman, Eleanor Vandyke (Univ.)	D.C.	B.S. in C.E. 1915, Syracuse Uni- versity	
A.B. 1921, Wilson College		†Bradford, Lewis Palmer (Univ.)	Ala.
Bost, Max (Univ.)	D.C.	Bradford, William Robert (Jun. 11973; Col.)	Md.
Bostick, Wade H. (Univ.; Law, Spec.)	N.C.	†Bradley, Carl Lowrey (Univ.)	D.C.
B.S. 1928, Wake Forest College		Bradley, Glenn M. (Law III)	Iowa
Boston, Edward John (Jun. 47)	Ohio	B.S.C. 1912, A.M. 1918, State University of Iowa	
†Boston, William Theodore (Univ.)	Md.	†Bradley, Helen Margaret (Univ.)	D.C.
A.B. 1918, Washington College		Bradley, John Charles (Jun. 42)	Ia
Bostwick, Robert John (Col., A.M.)	D.C.	Bradley, John Curtis (Jun.)	D.C.
A.B. 1918, University of California at Berkeley		Bradley, L. Beauford (Law II)	Ga.
Barkin, Edith (Jun. 36)	D.C.	L.L.B. 1914, Georgia State College	
Barkin, Mason, Andrew (Univ.)	Va.	Bradshaw, James Bernard (Govt., A.M.)	Pa.
B.S. 1911, Hampden-Sydney College		B.S. 1924, University of Pennsylvania	
Barr, Phyllis Regina (Jun.)	D.C.	†Brady, Alma Hester (Jun.)	Me.
†Bastien, Charles Joseph (Jun.)	Conn.	†Brayer, Miriam (Univ.)	D.C.
Batts, Marjorie Canton (Univ.)	Va.	A.B. 1916, Grinnell College	
†Boucher, Laurel Rene (Law II)	N.H.	Braine, Clinton Ellis (Jun. 27)	Md.
Bout, Catherine Louise (Govt. 102)	D.C.	†Branch, Peter Waskow (Jun.)	D.C.
Boutne, Hester Carson (Jun.)	Va.	Brandshaft, Vivian (Law II)	N.Y.
Bouquet, Kenneth Joseph (Col., A.M.)	Mich.	A.B. 1914, Smith College	
B.C.E. 1914, University of Detroit		†Brandt, Mary Ness (Jun. 36)	Pa.
†Bouton, Katherine Jefferson (Ed. 6433)	Va.	Brandt, Mildred Graydon (Univ.)	Pa.
Bowe, Jeanette M. (Jun.)	N.J.	†Brandzel, Sol (Jun.)	Ill.
Bowen, Carter Milburn (Col. 66)	Md.	L.L.B. 1918, De Paul University	
Bowen, Katherine Ann (Jun. 64)	D.C.	Brannan, James Leo (Univ.)	D.C.
†Bowen, Kahrenne (Jun.)	D.C.	†Brannan, Margaret Elizabeth (Jun.)	D.C.
Bowen, Marjorie Percy (Univ.)	D.C.	†Brannock, Harold Spoolen (Jun. 1)	Md.
A.R. 1924, Goucher College		Brannen, Thuzia J. (Col., A.M.)	Ga.
A.M. 1913, Columbia University		A.B. 1914, Emory University	
Bower, Howard H. (Govt. 70)	Iowa	Branscombe, Arthur Allison (Col. 93)	D.C.
Bowers, Alfred Felix (Univ.)	Md.	Brasel, Clara Baxton (Jun. 64, Col.)	D.C.
A.B. 1924, University of Richmond		†Brasfield, Margaret Muelle (Ed. 73)	Md.
Bowers, Kathryn Elizabeth (Univ.)	D.C.	Brasted, Donald Maize (Jun. 31)	Va.
Bowers, Richard Simpson (Jun. 48)	D.C.	†Brasswell, J. Ted (Jun.)	Okla.
Bowie, Frank McKay (Col. 85)	Md.	Bratt, Bryce W. (Eng. 106)	Neb.
Bowman, Alpha Leona (Univ.)	N.Dak.	Brattton, Donald Monroe (Jun.)	D.C.
Bowman, Barbara Ida (Jun. 28)	Va.	Braun, Lydia Isabelle (Col. 74)	Mo.
Bowman, Charlotte Josephine (Law I)	Va.	Braunstein, Lester (Law II)	D.C.
Bowman, Richard Wilson (Col. 97)	Va.	Braunstein, Sonya Q. (Jun. 62, Col.)	N.J.
Bowman, Robert A., Jr. (Eng., Uncl.)	Va.	Brawer, Jerome (Med. III)	N.J.
B.S. 1919, The George Washington University		A.B. 1917, University of Pennsylv- ania	
†Bowman, Walter Merritt (Law I)	Nev.	Bray, Mason Barnes (Univ.)	Ala.
A.B. 1936, University of Nevada		Bray, Robert Stuart (Col. 106)	Va.
Bowen, James Broderick (Jun. 61)	Ky.	†Brazilton, Bellard Lester (Univ.)	D.C.
Bowman, Martha (Univ.)	Mass.	†Brazier, Don Remond (Jun.)	D.C.
Boyd, Donald Mitchell (Univ.)	D.C.	Break, Alor Evelyn (Col. 81)	Mass.
Boyd, Joan Marie (Jun.)	D.C.	Breckinridge, John (Jun. 78, Law I)	Ky.
Boyd, John Sam (Univ.)	Ga.	†Breckinridge, John Bayne (Law, L.L.M.)	
Boyd, Joseph James (Univ.)	Ga.	A.B. 1917, L.L.B. 1919, University of Kentucky	
Bayer, Charles Darwin, Jr. (Univ.)	Va.	†Breckinridge, Margaret Young (Jun. 51)	D.C.
†Bayer, Myron Harg (Col., M.S.)	Calif.	Breed, Margaret (Jun. 86, Ed.)	Ill.
B.S. 1916, University of California		Breidenbach, Samuel Heavrin (Univ.; Jun. 53)	Va.
Bayer, Pauline Bell (Univ.)	W.Va.	L.L.B. 1925, The George Washing- ton University	
Bayer, Susan Elizabeth (Ed., A.M.)	Md.	†Breitharth, August Rembao (Jun.)	Iowa
A.B. 1927, Western Maryland College		Breithaupt, Harold Ernest (Law II)	Ill.
Boyer, William Welch (Jun.)	Va.		
Boyet, John H. (Law III)	Okla.		
A.B. 1914, Southeastern State Teachers College			

§Deceased.

Breithaupt, Harry James, Jr. (Law II) A.B. 1915, Roanoke College A.M. 1916, Washington and Lee University	Va.	Brougner, John Frederick (Ed., Ed.D.) A.B. 1926, A.M. 1929, Columbia University	Va.
†Brennan, Edward Thomas (Jun. 9)	Mass.	Broughton, Nicholas O. (Univ.)	Calif.
†Brennan, James Joseph (Col. 82)	N.Y.	A.B. 1918, Standard University	Mo.
†Brennan, John Leo (Univ.)	D.C.	Browdy, Alvin (Law I)	Tex.
H. B. 1915, Suffolk University		B.S. 1917, University of Illinois	
Brennan, Marion Marie (Univ.)	D.C.	Brown, Alberta (Law I)	
Brennan, Robert James (Jun.)	Va.	A.B. 1911, Baylor University	
Brenneman, Margaret Catherine (Jun.)	Del.	Brown, Arthur (Eng. 9)	Iowa
†Brett, Margaret Anne (Univ.)	D.C.	Brown Betty Lee (Col. 94)	D.C.
Brewer, Beulah Genevieve (Jun. 12)	D.C.	†Brown, Betty May (Univ.)	D.C.
Brick, Irving Benjamin (Med III)	Fla.	A.B. 1917, The George Washington University	
A.B. 1918, The George Washington University		†Brown, Barrell W. (Jun. 97)	Ark.
Brickell, Mildred Isabelle (Jun.)	S.Dak.	†Brown, Carey Wilson (Law I)	D.C.
†Bricker, Harold William (Univ.)	Md.	A.B. 1929, A.M. 1931, The George Washington University	
†Brice, William Wilmott (Univ.)	D.C.	Brown, Charles Harrison (Jun. 58)	Mo.
Brief, Paul (Jun. 45)	N.Y.	†Brown, Charles Louis (Univ.)	Md.
Brier, Glenn Wilson (Col. A.M.)	Iowa	†Brown, Edna Grouver (Univ.)	D.C.
B.S. 1918, Parsons College		Brown, Elizabeth Wheeler (Jun.)	Va.
Brown, Francis Gifford (Jun.)	Ky.	Brown, George Robison (Law III)	Ohio
Bright, George Clarence (Jun. 8)	D.C.	A.B. 1918, The George Washington University	
Brinkman, William Anthony, Jr. (Eng. 69)	D.C.	†Brown, Hazel Drake (Univ.)	D.C.
†Brisson, Marie Ada (Univ.)	D.C.	Brown, Helen Lonsdaley (Jun. 61; Col.)	D.C.
†Brisker, Sarah F. (Univ.)	D.C.	†Brown, Howard Kress (Univ.)	D.C.
B.S. 1926, North Carolina Woman's College		Brown, Ira Vernon (Col. 64)	Va.
A.M. 1915, The George Washington University		†Brown, Jo Lee (Univ.)	D.C.
Britt, John Francis Xavier (Col. 61)	N.Y.	Brown, John Sampson (Univ.)	Va.
Britton, Henry Leon Donald, Jr. (Jun.)	D.C.	†Brown, Joseph Sylvester (Jun. 51)	Ga.
†Britton, Moss Ruth (Jun.)	D.C.	Brown, Julian Matthews (Eng.)	Va.
†Britton, William Cecil (Univ.)	Ind.	†Brown, Kenneth Allen (Col. 108)	Mo.
A.B. 1914, DePauw University		Brown, Leon West (Ed. A.M.)	Va.
A.M. 1918, The George Washington University		A.B. 1911, Maryville College	
Brittin, Baskin (Univ.)	Ill.	Brown, Lida Cookett (Jun. 12)	Va.
Brown, Lida M. (Jun. 1)	D.C.	Brown, Louis Holloway (Jun. 12)	D.C.
Brouddis, Susan Lear (Col. 98)	Va.	Brown, Mary Agnes (Law, LL.M.)	N.H.
Bruche, Elliott Lewis (Jun.)	D.C.	A.B. 1924, LL.B. 1932, The George Washington University	
Brook, Alvin Chapin (Univ.)	Md.	Brown, Mary Frances (Col. A.M.)	D.C.
Brook, Howard Thomas (Jun.)	D.C.	A.B. 1912, American University	
Brock, John Roy (Jun. Sen. Col.)	Okla.	Brown, Maudie Dimple (Jun. 27)	Okla.
Brockman, Dorothy Louise (Jun.)	La.	Brown, Merrill Reynolds (Eng. 11)	D.C.
†Broderick, Meredith Edna (Univ.)	S.C.	†Brown, Mildred Louise (Jun.)	Utah
Brody, Herman (Govt. 66)	D.C.	Brown, Miss Foster (Jun.)	D.C.
Brody, John Joseph (Jun.)	Pa.	Brown, Orrin I. (Univ.)	Va.
Brooks, James Harry (Jun. 21)	D.C.	A.B. 1915, Randolph-Macon Woman's College	
Brookings, Grier Christian (Jun. 45)	Pa.	†Brown, Ovarles Jemison (Jun.)	Ala.
Brookings, Clara Alice (Jun.)	Mass.	Brown, Raymond Nathan (Jun. 14)	D.C.
Brookings, Alfred Taylor (Law I)	D.C.	†Brown, Richard Kenard (Ed. Ed.D.)	D.C.
B.S. in E.E. 1919, The George Washington University		A.B. 1926, Davis and Elkins College	
†Bronson, Ruth Muskratt (Ed. A.M.)	D.C.	M.S. 1912, University of West Virginia	
A.B. 1925, Mount Holyoke College		†Brown, Richard Kimball (Eng. 2)	D.C.
Brooke, Irvin Adair (Govt. 64)	D.C.	†Brown, Sarah Jane (Univ.)	D.C.
†Brookings, Walter DuBois, Jr. (Govt. A.M.)	Va.	A.B. 1929, Women's College of the University of North Carolina	
A.B. 1917, Harvard University		Brown, Thomas Francis (Eng. 45)	Wyo.
Brooks, Ada Virginia (Univ.)	D.C.	Brown, Timothy Douglas (Law I)	S.C.
Brooks, Frederic Thompson (Jun.)	D.C.	A.B. 1918, University of North Carolina	
Brooks, Janet Margaret (Univ. Col. Uncl.)	Pa.	Brown, William Lewis (Jun. 25)	D.C.
B.S. 1926, Mary Washington College	Va.	†Brown, William Theodore (Eng. 72)	Md.
Brooks, Samuel Howard (Univ.)	Md.	Brownie, Audrey Beatrice (Jun.)	D.C.
B.S. 1915, University of Maryland		†Brownie, Eileen Ruth (Univ.)	Ill.
Brownard, Howard Stratford (Jun. 21)	Utah	Brownie, Edward Maurice (Jun. 48)	D.C.
Brotnan, Alfred B. (Med I)	D.C.	Brownie, Zona Cleave (Univ.)	D.C.
		†Brownlee, William Tandy (Law I)	N.Mex.
		B.B.A. 1940, University of Oklahoma	



Brownstein, Jacob Norman (Eng. 43)	N.Y.	Buresh, William A. (Law I)	N.Dak.
Bruce, Betty Dunlevy (Jun. 31)	D.C.	A.B. 1939, State Normal School,	
Bruce, Delbert H. (Law II)	S.Dak.	Dickinson, N. Dak.	
Bruck, Meyer (Col. 78)	N.Y.	†Burger, Ernest Howard (Eng.)	Tenn.
Bruechert, Horace Andrew (Col., Und.)	D.C.	†Burger, Patricia (Univ.)	D.C.
B.S. 1925, Iowa State College		†Burgess, Aubrey Lewis (Eng.)	D.C.
Bruechert, Mildred Ashton (Col. 86)	Pa.	Burgess, Edward David (Univ.)	Md.
Brumbaugh, Donald Quinter (Col., A.M.)	Pa.	Burgess, Forbes Hathaway (Med. IV)	D.C.
B.S. 1939, Juniata College		Burgess, James Earle (Jun. 24)	D.C.
Brunk, Anne Marie (Ed. 66)	D.C.	†Burk, Samuel Arthur (Univ.)	Va.
†Brunner, John Richard (Univ.)	D.C.	Burka, Irving Abraham (Jun. 20)	D.C.
Brunner, Ruth Hinkle (Jun. 75; Ed.)	D.C.	†Burke Eda Louise (Univ.)	D.C.
Brunow, Marcel Fred J. (Jun. 33)	D.C.	Burke, Edmund P. (Univ.)	D.C.
Bruns, Dorothy C. (Univ.)	Oreg.	Burke, James H. (Univ.)	Ohio
B.S. 1936, Oregon State College		A.B. 1936, Ohio University	
Bruten, Henry Chester (Law II)	Va.	Burke, John Harold (Med. III)	W.Va.
B.S. 1926, United States Naval Academy		A.B. 1917, The George Washington University	
M.S. in E.E., 1935, University of California		Burke, John Patrick (Law II)	Mont.
†Bryan, Howard Youe (Univ.)	Md.	Burke, Martin Leonard (Jun. 24)	N.C.
Bryan, Hinch Mack (Jun. 27)	Md.	†Burke, Virginia (Univ.)	Ark.
†Bryant, Frederick B. (Univ.)	Va.	A.B. 1933, Arkansas College	
B.S. 1927, Virginia Polytechnic Institute		Burke, William Charles (Univ.)	Md.
†Bryant, James Osmund (Jun.)	Md.	Burlingame, Roy Rainey (Jun. 3)	D.C.
Buas, Frank E. (Pharm. 101)	D.C.	Burn, Richard Elwood (Law II)	N.J.
Baech, Dominick (Jun. 23)	D.C.	B.S. in E.E., 1933, University of Alabama	
†Buchan, George Thomas (Univ.)	N.C.	Burnet, Frank Ford (Jun. 50)	Tex.
Buchanan, Frank Austin, Jr. (Eng.; Jun.)	Va.	†Burnett, Elizabeth Susons (Law, Und.)	Tenn.
Buchanan, Thomas Gittings (Univ.)	D.C.	A.B. 1929, The George Washington University	
Bucholz, Donald (Jun. 18)	D.C.	Burnett, Sue Stokely (Col. 64)	D.C.
†Buck, Herbert Carter (Univ.)	Md.	Burnette, Emaline (Univ.)	Va.
*Buck, Margaret Winters (Col., A.M.)	N.Y.	Burnette, Norene Frances (Jun.)	D.C.
A.B. 1934, Brenau College		Burney, Reford Bert (Jun. 12)	Okl.
Buckingham Ripley (Med. III)		Burnham, Perley M. (Eng. 49)	Va.
A.B. 1926, Norwich University	D.C.	Burns, Mitchel (Col. 101)	N.Y.
†Buckland, Wilfred, Jr. (Univ.)	D.C.	Burns, Regina Adele (Univ.)	D.C.
Buckler, James Leonard (Jun. 10)	D.C.	Burnside, John Lockwood (Law II)	Md.
Buckles, Lawrence Calvin (Col., A.M.)	Pa.	B.S. 1926, United States Naval Academy	
B.S. in C.E. 1938, Lehigh University		Burpeau, Caroline Frances (Med. I)	N.Y.
Buckley, Bessie Alta (Jun.)	D.C.	B.S. 1938, College of William and Mary	
Buckley, Michael Lester (Med. IV)	Va.	M.S. 1939, University of Maryland	D.C.
Buckner, Melvin Daniel (Jun. 55; Ed.)	D.C.	Burr, Keith Owen (Col., A.M.)	
Budd, John Pershing (Jun.)	D.C.	A.B. 1935, University of Arizona	Pa.
Buehrle, Cyril A. (Jun.)	N.Y.	Burrell, Katharine Sue (Univ.)	
Buell, Wallace Macaulay (Jun.)	Md.	A.B. 1917, The George Washington University	Va.
Bugay, Paul Edward (Col. 68)	Pa.	Burrier, Ruth Louise (Jun. 12)	D.C.
Bullock, James Robert (Law I)	Col.	Burrow, James B. (Univ.)	Md.
B.S. 1928, Utah State Agricultural College		Burrows, Susan Rae (Jun.)	
Bullock, Marion Frances (Jun. 28)	D.C.	†Burstein, Harold Nathaniel (Col., A.M.)	N.Y.
†Bumann, Theodore Jamieson (Univ.)	D.C.	B.S. 1924, College of the City of New York	
Benevise, Irving (Law III)	N.J.	†Burt, Wellington R. (Law I)	Md.
B.S. 1934, United States Naval Academy		B.S. 1927, University of Michigan	Md.
†Bunkley, Joel William (Law I)	Miss.	Burnick, Lester Leon (Univ.)	
A.B. 1938, College of William and Mary		B.S. 1936, M.D. 1937, University of Maryland	
Bunnag, Tula (Jun. 10)	Siam	Borton, Charles Henning (Jun. 9)	D.C.
†Bush, Laura Belle (Jun.)	Tex.	Burton, Earl Everett (Col. 80)	Idaho
Busch, Bethe Jeanne (Col. 91)	D.C.	Burton, Martha Elizabeth (Col. 94)	Tex.
Burch, Harold A. (Col., A.M.)	Md.	†Busboom, Ralph John (Univ.)	Ill.
B.S. 1924, University of Pennsylvania		Busch, Margaret Temple (Law II)	N.H.
Burch, Jacob Landau (Law III)	D.C.	A.B. 1935, The George Washington University	
Burch, Marionie (Jun. 61)	D.C.	Bushman, Arthur William (Jun. 57)	N.J.
Burdett, Ruth Flint (Univ.)	Mass.	Bush, Edward Revenir (Jun. 16)	Md.
Burdette, Eleanor Mary (Col. 92)	D.C.	†Bush, George Bertram (Col., A.M.)	
Buren, Peery T. (Law I)	Oreg.	B.S. 1924, The George Washington University	
B.S. 1918, University of Oregon			



§Bush, George Franklin (Univ.) B.S. 1932, Lafayette College	D.C.	Callaway, Gilbert Evans (Col. 112½)	Tenn.
Bush, Helma Nitzsche (Univ.) B.F.A. 1933, University of Pennsylvania	D.C.	§Callaway, William Choteau (Univ.)	Miss.
Bushman, Vernon Louis (Law III)	D.C.	LL.D. 1919, University of Breslau	
A.B. 1933, The George Washington University		†Calloway, Roger Miln (Jun.)	Wyo.
†Bushong, Robert Eugene (Jun.)	Ohio	Calver, Jessie Carleton (Univ.)	D.C.
Busick, George Cabell (Law I)	D.C.	A.B. 1939, The George Washington University	
Butler, Carroll Woodward (Law I)	Ind.	Calvert, Gordon Lee (Jun.)	D.C.
A.B. 1925, Indiana Central College		Calvo, Anthony Quentin (Eng. 11)	D.C.
Butler, Charles Thomas (Col. A.M.)	Ind.	Cameron, Mildred Evelyn (Col., A.M.)	Md.
A.B. 1934, University of Florida		B.S. 1933, Wilson Teachers College	
Butler, Edward Thomas (Govt. 62)	Mich.	†Caminita, Barbara Hobson (Univ.)	R.I.
Butler, Gordon Richard (Jun.)	Ariz.	B.S. 1937, University of Maryland	
†Butler, Hugh DeWitt (Univ.)	D.C.	†Cammissa, Guido Frank (Jun. 39)	Conn.
Butler, Janice Diana (Jun.)	Mass.	Camp, Benjamin Jesse (Law III)	Ga.
†Butler, Robert Wells (Jun.)	Md.	A.B. 1934, University of Georgia	
†Butt, Frederick Christian (Eng.)	D.C.	Camp, Irving Luzerne (Univ.)	D.C.
Butterfield, Ward Cummins (Jun. 15)	Mich.	†Campbell, Colin (Jun. 6)	Md.
Butterworth, Robert (Univ.)	D.C.	Campbell, Elizabeth Janet (Univ.)	D.C.
Butts, Frankie Wilson (Univ.)	Mo.	Campbell, Frances Evangeline Clairmonte (Jun. 29)	D.C.
B.S. 1922, University of Missouri		†Campbell, Frank Evans (Jun. 18)	Pa.
Butts, Wesley Eakins (Eng. 84)	Md.	Campbell, Harold Jud (Law I)	Ill.
Butturff, Robert Raoul (Jun. 112; Govt.)	S.Dak.	A.B. 1939, University of Illinois	
	Iowa	Campbell, Lorene (Col. 84)	Ark.
		Campbell, Lowena Adaleuc (Jun. 12)	D.C.
		Campbell, Marguerite Frederick (Jun.)	D.C.
		Campbell, Paul, Jr. (Law III)	Tenn.
		A.B. 1937, Union College	
		†Campbell, Roger L. (Law I)	N.J.
		B.S. 1936, Newark College of Engineering	
		Campbell, Trubee Truscott (Univ.)	N.C.
		†Campbell, Wilfred Patrick (Univ.)	N.Y.
		Cannata, Nicholas Mathew (Jun. 13)	D.C.
		†Cane, Shirley Joann (Jun. 12½)	Minn.
		Cannata, Carmelo Charles (Jun.)	Conn.
		Cannon, Harry (Law II)	N.Y.
		B.S.S. 1934, College of the City of New York	
		Cannon, Jesse Floyd (Med. III)	Utah
		A.B. 1934, University of Utah	
		†Cannon, Margaret Pultz (Univ.)	Tex.
		†Carter, Esther Paula (Jun. 24)	Pa.
		Carter, Israel (Col. 68)	N.Y.
		†Cattrell, Ruth (Univ.)	Okla.
		†Capps, Eugene Raymond (Eng. 117)	Va.
		Capp, John Walter (Jun. 20)	N.J.
		†Capps, Hahn William (Univ.)	D.C.
		B.S. 1929, University of Kansas	
		Carbwell, Arthur Joseph (Med. IV)	N.Y.
		†Carlier, Mary Louisa (Jun.)	Va.
		Carew, Philip Austin (Jun. 13)	Wis.
		†Carey, Eva McCobb (Univ.)	Md.
		Carey, Harold Vincent (Law III)	Conn.
		Carl, Jessie (Jun. 1)	D.C.
		†Carleton, Edward Hugh (Univ.)	N.J.
		Carlin, Annes Frances (Univ.)	D.C.
		B.S. 1931, A.M. 1933, Columbia University	
		†Carlin, H. Lee (Univ.)	D.C.
		B.S. 1936, The George Washington University	
		Carlini, Stella Anna (Jun.)	Pa.
		Carli, Rosina Marie (Jun. 26)	Pa.
		Carlson, Charles Arthur, Jr. (Univ.; Jun. 26)	Md.
		Carlson, David Jenningston (Univ.)	N.Y.
		Carlson, Lester Allen (Jun. 1)	Minn.
		Carlson, Louise Elva (Jun. 15)	Kans.
		Carlsban, Robert Gaskirk (Jun. 82)	D.C.
		†Carney, Marabeth Anne (Col. 115)	Conn.

## C

†Carpel, Jack Berman (Jun. 7)	D.C.	Cash, Richard Lee (Jun. 13)	Md.
†Carpenter, Bessie Gray (Univ.)	D.C.	Cashell, John G. (Jun.)	D.C.
†Carpenter, Edith Jensen (Univ.)	Va.	Caskie, John Minor (Law, Uncl.)	D.C.
B.S. 1924, New York State College for Teachers		A.B. 1934, LL.B. 1938, University of Virginia	
Carpenter, Thomas Kinsey (Univ.)	D.C.	†Cason, James H. (Univ.)	La.
Carper, Elsie Mae (Jun. 61)	D.C.	Cass, Grace Margaret (Law I)	Mass.
Carr, Ashford Ray (Univ.)	Md.	A.B. 1939, Rollins College	
†Carr, Dorothea Eleanor (Univ.)	Mass.	Cassara, Louis Albert (Jun.)	Pa.
A.B. 1934, Brown University		Cassedy, Richard Henry (Eng., Uncl.)	Va.
A.M. 1915, Columbia University		A.B. 1936, The George Washington University	
Carraway, Drew Lawrence (Law III)	Ark.	Cassedy, William Plager (Col. 106 1/4)	D.C.
A.B. 1915, Henderson State Teachers College		Cassidy, Thomas John (Jun.)	N.Y.
Carrico, Harry Lee (Law I)	Va.	Cassidy, Thomas Richard (Jun. 19)	Ky.
Carrier, Ralph Edgar (Eng. 37)	Va.	Cassil, Carroll Clayton (Col., A.M.)	Calif.
†Carrigan, William Adolphus (Univ.)	Ark.	B.S. 1937, The George Washington University	
B.S. 1911, United States Naval Academy		Cassil, John Frank (Govt. 103)	Ind.
Carringer, Julius Milo (Law III)	W.Va.	†Casteel, Homer Harris (Jun.)	Miss.
A.B. 1932, West Virginia University		Castello, Francisco Jose (Med. II)	D.C.
†Carrodus, Robert Joseph (Eng. 65)	D.C.	Castillo, Luis Najera (Jun. 25)	D.C.
Carroll, Charles Liddon (Law I)	Fla.	Castleman, Edward (Jun. 56)	D.C.
A.B. 1938, University of Florida		Castro, Alex Francis (Med. II)	Md.
Carroll, Frances Cecilia (Ed. 117)	D.C.	Caswell, Elizabeth Watkins (Col. 81)	N.Y.
Carroll, George Joseph (Col., A.M.)	Mass.	Caswell, Eve G. (Jun.)	N.Y.
A.B. 1930, Clark University		†Catalano, Joseph John (Law II)	
Carroll, Katherine Letitia (Ed. 117)	D.C.	B.S. 1937, Fordham University	
Carroll, Laurence Edwin (Eng.)	Va.	Catchings, Benjamin, Jr. (Eng. 68)	Minn.
Carroll, Martin Joseph (Law II)	Md.	†Cato, Hilda Gibbs (Jun.)	Md.
B.S. in M.E. 1929, University of Pittsburgh		†Caton, Hervey Elliott (Univ.)	Va.
†Carroll, Norman Sellman (Jun. 41)	D.C.	B.S. 1933, University of Louisville	
†Carroll, Pauline Esther (Univ.)	Va.	Catt, Charles Elmer (Law II)	D.C.
A.B. 1933, University of Illinois		Catudal, Honore Marcel (Law II)	Kans.
*Carson, Raymond Kit (Law III)	Tenn.	A.B. 1922, St. Mary's College	
Carstarphen, Helen Kem (Jun. 77; Col.)	N.Y.	A.M. 1923, Catholic University of America	
†Carswell, David Flockart (Univ.)	Maine	†Cavalier, Van Robert (Univ.)	D.C.
B.S. 1928, University of Maine		†Caverly, Gardner Arthur (Law I)	N.H.
Carta, Triest Michael (Jun. 27)	Conn.	B.S. 1934, Northeastern University	
Carten, Leo Augustine (Law I)	Mass.	Cavey, Margaret (Col. 75)	D.C.
B.S. 1934, Massachusetts Institute of Technology		Caviness, Pat (Law III)	Ark.
Carter, Champ Stuart (Jun. 27)	D.C.	†Cayton, Hannah Lewis (Univ.)	Va.
Carter, Cornelia Keith (Univ.)	Tex.	B.S. 1932, Mahan College	
A.B. 1925, Southwestern University		A.M. 1917, Columbia University	S.C.
Carter, George Washington (Jun. 38)	D.C.	†Ceil, Charles Fulenwider (Govt. A.M.)	
†Carter, Guy Anderson (Univ.)	Md.	A.B. 1939, Wofford College	Ky.
Carter, Henry (Law II)	Va.	Ceranton, James Reynolds (Col. 112)	Ariz.
A.B. 1917, A.M. 1920, Yale University		Cerny, Frank William (Jun.)	Ind.
Carter, John Paul (Jun.)	D.C.	†Cerra, Peter M., Jr. (Col., A.M.)	
†Carter, Lucy R. (Univ.)	Fla.	A.B. 1933, University of Michigan	N.Y.
L.L.B. 1932, Chattanooga College of Law		Cetel, Hyman (Jun.)	D.C.
Carter, Robert Charles (Eng., Uncl.)	Mich.	†Chaconas, Callirhoe (Jun. 45)	N.Y.
B.S. 1911, Wayne University		Chaitin, Horace (Med. II)	
†Carter, Robert Irving (Univ.)	Okla.	A.B. 1938, University of Michigan	D.C.
Carwile, Nesbit LeGrand (Eng. 30)	D.C.	Chalfont, Eugene Emory (Pharm. 84 3/4)	Va.
†Cassasa, Elsie Cook (Univ.)	D.C.	Chalk, James Wray (Jun. 42)	D.C.
*Cassata, Paul Edmund (Ed., A.M.)	D.C.	†Chambers, Johanna Maria (Univ.)	La.
A.B. 1932, St. Johns College, Maryland		Chambers, John Newton (Law I)	
Casciato, Don Anthony (Col., A.M.)	Orgg.	A.B. 1939, Louisiana College	D.C.
A.B. 1937, University of Oregon		†Chambers, Richmond D. (Law I)	D.C.
†Case, Celia Ruth (Univ.)	N.Y.	Chambreau, William Joseph (Jun.)	D.C.
†Case, Robert Francis (Univ.)	D.C.	†Champlain, Myrtice S. (Univ.)	
Casella, Joseph Vincent (Med. IV)	Conn.	Champlain, Wilfred Paul (Col. 108 7/10)	D.C.
A.B. 1937, The George Washington University		B.S. 1925, United States Military Academy	
Caserta, C. Anthony (Jun.)	Ohio	Champlin, Dale Wesley (Univ.)	Pa.
†Casey, John Brendan (Jun. 42)	D.C.	Chandler, Courtland Ellis (Jun. 56)	Fla.
†Cash, James Barrett (Jun.)	Ark.	†Chandler, Archie Lee (Univ.)	D.C.
		†Chandler, John Danforth (Jun. 17)	D.C.
		Chapin, Lewis Mulford (Jun. 30)	Mass.
		Chapman, Charles Dexter (Jun. 6)	



# Students Registered

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†Chapman, David Graham (Jun. 66)	Ga.	Christopherson, Olaf Warren (Jun. 109)	Minn.
Chapman, Ervin Newton (Med. II)	D.C.	Chu, Chia-Chen (Govt. A.M.)	China
A.B. 1919, The George Washington University		A.B. 1914, Central Political Institute, China	
†Chapman, Fern Marie (Ed., A.M.)	Minn.	†Churchill, Elizabeth Sarah (Col., A.M.)	Md.
B.S. 1911, University of Michigan		A.B. 1914, The George Washington University	
Chapman, Howard Eugene (Univ.)	W.Va.	Churchill, Morton Vincent (Col. 89)	Md.
Chapman, John Kenton (Law III)	Miss.	Churchill, Warren Nelson (Col., A.M.)	D.C.
A.B. 1914, University of Alabama		B.S. 1916, The George Washington University	
†Chapman, Kathryn D. (Univ.)	D.C.	Cisna, Frances Lathrop (Jun. 50)	D.C.
†Chapman, Milton R. (Univ.)	Colo.	Clagett, Helen Lord (Law II)	Va.
Chapman, Philip Freeland (Law I)	Maine	A.B. 1918, University of Puerto Rico	
A.B. 1918, Bowdoin College		Clague, George Richard (Govt. 85)	D.C.
Chappell, Adele Hane (Univ.)	S.C.	Clapp, Harvey Spaulding (Jun.)	Va.
†Chaput, Joseph Wilfrid (Univ.)	N.H.	Clardy, Warren Davenport (Univ.)	S.C.
A.B. 1911, St. Mary's Seminary		Clarey, John Lee (Jun. 27)	D.C.
Charles, Jessalynne Lorraine (Jun.)	D.C.	†Clark, Boswell John (Jun.)	Va.
Charles, Robert Milton (Eng. 10)	D.C.	Clark, Charles Fulton (Col. 102)	Tex.
Charlton, Arvid Lavern (Col., A.M.)	Iowa	Clark, Edward Remington (Jun. 12)	Va.
B.S. 1915, Parsons College		†Clark, Frank (Jun. 28)	Fla.
Charlton, Brimard S. Jr. (Jun. 18)	Va.	†Clark, George Edgar (Jun. 12)	Ga.
†Charris, Eleanor Monika (Univ.)	D.C.	Clark, Harold Glen (Ed., Ed.D.)	Ariz.
*Chase, Elizabeth Love (Ed., A.M.)	D.C.	B.S. 1918, Brigham Young University	
A.B. 1918, University of Richmond		M.S. 1914, University of Southern California	
†Chase, James Allen (Law I)	Ohio	*Clark, Harry Lawrence (Col., A.M.)	D.C.
A.B. 1928, Ohio University		B.S. 1915, The George Washington University	
†Chase, Milton (Univ.)	N.Y.	Clark, Helen (Col., A.M.)	Ga.
B.S. 1914, E.F. 1915, College of the City of New York		A.B. 1915, Duke University	
Chase, Wilbur Porters (Jun. 64½)	D.C.	Clark, Lewis Jesse (Col., A.M.)	Mass.
*Chasoff, Abraham (Col. 120)	N.Y.	B.S. 1917, The George Washington University	
†Chason, Eileen Deitt (Jun.)	D.C.	†Clark, Louise Bayard (Univ.)	D.C.
Charwin, Kenneth C. (Law II)	Ariz.	Clark, Marie Ida (Jun. 42)	Ill.
A.B. 1915, Arizona State Teachers College		Clark, William Carl (Law II)	Tenn.
Chaussee, Audree Marselle (Jun.)	D.C.	B.S. 1916, Cumberland University	
Clavez, Lincoln Joseph (Jun. 18)	N.Mex.	Clark, William Johnson (Jun.)	N.Dak.
†Chesman, Willard Laverne (Univ.)	Va.	†Clark, William Shelby (Eng. 12)	Tenn.
B.S. in Chem.E. 1914, Purdue University		Clarke, Constance Duck (Col., A.M.)	Conn.
†Chesnut, James Fletcher (Univ.)	N.C.	A.B. 1912, Smith College	
Chesser, James Wilson (Univ.)	Md.	Clarke, Grant Leach (Col. 82)	Va.
Chesson, James Andrew, Jr. (Univ.)	N.C.	Clarke, Kenneth Gordon (Univ.)	Va.
Chew, Andrew (Col. 14)	D.C.	Clatsman, Arthur W. (Med. II)	Pa.
Chew, Bernard Boswell (Eng. 111)	D.C.	B.S. 1918, Wayne University	
Chew, Thomas Gordon (Law III)	Ind.	†Clavell, Oscar Joseph (Univ.)	D.C.
Cheyney, Roland Pancoast (Eng. 70)	Pa.	†Clay, Alfred Thomas (Ed., A.M.)	D.C.
†Chicousky, Roslyn (Jun. 21)	D.C.	B.S. 1919, United States Naval Academy	
Chicot, George Owen (Jun. 12)	D.C.	Clay, Alta Tunstall (Jun. 20)	Ky.
Chill, Thomas Waring (Jun.)	D.C.	†Clay, Olen Roderick (Univ.)	D.C.
Chiles, Ben F. (Govt. 244)	Tenn.	Clay, Oliver Lorton (Law III)	Utah
†Chilton, Lynda Payne (Ed., A.M.)	Va.	A.B. 1912, University of Utah	
B.S. 1912, Mary Washington College		Clayton, John Robert (Law I)	Colo.
Chinn, Joseph William (Med. IV)	Va.	Clayton, Ruth Anna (Univ.)	Kans.
B.S. 1915, University of Virginia		Clayton, Sabella White (Jun.)	Md.
Chisholm, W. Haile (Univ.)	Md.	Clary, Francis Joseph (Univ.)	Ill.
B.S. 1927, University of Pennsylvania		†Clements, David Thomas (Law I)	Va.
†Chisano, Anthony (Jun.)	N.Y.	M.E. 1919, M.M.E. 1911, Brooklyn Polytechnic Institute	
†Choate, Harold Lewis (Eng. 12)	Va.	Clements, John Sinclair (Jun.)	England
Chramiec, Marion Louise (Jun.)	D.C.	Clements, Robert Henry (Jun.)	Conn.
Chramiec, Alexandra W. (Ed., A.M.; Univ.)	D.C.	Clapper, Charlotte Mae (Jun.)	Va.
A.M. 1910, The George Washington University		†Clerman, Maurice C. (Jun. 26)	N.Y.
Christensen, Arland Taylor (Col. 70)	Idaho	†Clerman, Paul Joseph (Jun. 10)	N.Y.
Christie, Alfred III (Law I)	Md.	†Cleverger, John George (Univ.)	Ohio
A.B. 1919, The George Washington University		Clifford, Patrick Ambrose (Eng. 101)	Va.
†Christie, Donald Pray (Univ.)	D.C.	†Clifford, Robert Ralph (Univ.)	Calif.
A.B. 1918, The George Washington University		Clifton, Margaret Allegra (Jun.)	N.C.
*Christoferson, Herbert Carl (Govt. 110)	Ill.		
*Christopher, Maxwell G. (Eng. 116)	D.C.		



Clime, Arthur Westphall, Jr. (Univ.)	D.C.	Coleman, Benjamin Overton Wilson	Wis.
Climpson, Mary Louise (Govt., A.M.)	Ohio	(Law II)	
A.B. 1935, The George Washington		Coleman, Ernest Taylor (Law II)	D.C.
University		A.B. 1937, The George Washington	
Clouty, Joseph Anthony, Jr. (Jun. 61)	Calif.	University	
†Clubb, Denver Elbert (Law I)	Mo.	†Coleman, John Carlton (Univ.)	Md.
B.S. 1931, Southeast Missouri State		Coleman, Ola Carawan (Ed. 120)	N.C.
Teachers College		Coleman, Oscar Eugene (Col. 98)	Ark.
Cluff, Harvey C. (Jun. 60 1/4)	D.C.	Coleman, Winifred Israel (Ed. 116)	D.C.
Coale, Robert Norwood (Med. I)	D.C.	Coll, Luisa Alice (Ed. 64)	D.C.
B.S. 1939, Dickinson College		Collett, Charles Ellsworth (Col. 72)	Minn.
Coan, Curtis (Law I)	Va.	Collier, Chester Winthrop (Law I)	Conn.
B.S. 1915, University of Virginia		B.S. 1939, Trinity College, Con-	
Cobb, Lily Dhr (Jun. 64)	Va.	necticut	
Cobb, Samuel Exum (Col., Uncl.)	Fla.	†Collier, Ruby Fae (Univ.)	N.Y.
A.B. 1927, University of Florida		Collier, Virginia Rollway (Univ.)	Ark.
Coberly, James Harold (Grad., Ph.D.)	W.Va.	Collings, Lee L., Jr. (Jun. 18)	Mo.
A.B. 1913, A.M. 1918, The George		Collins, Clayton Braswell (Jun. 15)	Okla.
Washington University		Collins, Edward Lemay (Univ.)	Iowa
Cockeline, Doris M. (Jun. 30)	Oreg.	Collins, Elmer Thomas (Law II)	D.C.
Coe, Richard Livingston (Col. 99)	N.I.	†Collins, Garner Fawcett (Col., Uncl.)	D.C.
Coen, Marian Fisher (Ed., A.M.)	D.C.	†Collins, George Harwood (Jun.)	Colo.
A.B. 1918, American University		†Collins, Helen Stoddart (Univ.)	Mass.
Coffey, Charles Slahy (Col. 100)		A.B. 1916, Mount Holyoke College	
Coffey, Lyndall Hester (Govt. 83)	Tenn.	Collins, Jane (Law III)	Miss.
†Coffman, Alta (Ed. 96 1/2)	Md.	A.B. 1917, Sweet Briar College	
Coffman, Clarence Edwards (Jun. 18)	Va.	Collins, Lewis Garland (Ed., A.M.)	Va.
Coffman, John Harry (Law II)	Okla.	A.B. 1914, University of Richmond	
B.S. in C.E. 1926, University of	D.C.	Collins, Mary Ellen (Med. II)	Calif.
Oklahoma		Collins, Murray (Col. 95)	N.Y.
Coggins, John W. (Law III)	N.C.	Collins, Roy L., Jr. (Univ.; Jun. 30)	Tenn.
Cohagen, John H. (Jun.)	Wash.	†Collins, Violet Maxine (Univ.)	Kans.
Cohen, Ben M. (Jun.)	Tex.	Colman, Emanuel Maurice (Col.,	
Cohen, Bert Rand (Law I)	Pa.	A.M.)	Mass.
A.B. 1938, University of Illinois		B.S. 1935, The George Washington	
Cohen, David (Univ.; Govt., A.M.)	Pa.	University	
B.S. 1934, LL.B. 1937, University		Colmetz, Martha Louise (Col. 80;	D.C.
of Pennsylvania		Law I)	D.C.
Cohen, Elizabeth Belle (Jun.)	Mass.	Colman, Florence Carpenter (Jun. 43)	Calif.
†Cohen, Ernest S. (Univ.)	N.Y.	†Combs, Harry Wilson (Univ.)	D.C.
B.C.E. 1917, College of the City of		†Comeau, Agno Louis (Univ.)	D.C.
New York		Comer, Joseph Henry (Jun. 57)	D.C.
Cohen, Ethel Ioline (Univ.)	D.C.	†Comulada, Edward Vincent (Univ.)	N.Y.
Cohen, Marion (Col. 67)	D.C.	Comulada, John Raymond (Univ.)	D.C.
Cohen, Ruth (Jan. 29)	D.C.	†Comulada, Manuel Paul (Univ.)	S.Dak.
Cohen, Sarah Gertrude (Univ.)	N.Y.	†Condellario, Richard Paul (Govt.,	
B.B.A. 1918, College of the City of		A.M.)	
New York		B.S. 1937, University of Kansas	Tex.
Cohen, Sol (Govt. 80)	N.Y.	†Cone, Walton Owen (Law I)	N.Y.
†Cohen, Victor (Univ.)	D.C.	†Concress, A. Eugene (Univ.)	
B.S. 1919, Wilson Teachers College		A.B. 1926, Columbia University	D.C.
Cohn, Harry (Jun.)	N.Y.	Conkey, Ralph Hill (Jun. 60)	N.Y.
Cohn, Joseph Robert (Col. 78)	Conn.	Conklin, Constance Lavinia (Univ.)	D.C.
Cokemas, Nicholas Trephon (Jun. 63;		Conklin, Doris Elliott (Jun. 11)	
Col.)	D.C.	Conklin, Mildred Antoinette (Ed.,	D.C.
Coker, Joseph Daniel (Grad., Ph.D.)	S.C.	A.M.)	
A.B. 1915, A.M. 1917, The George		A.B. 1910, The George Washington	
Washington University		University	
Coker, Martha (Col., A.M.)	S.C.	Conlin, Eward Joseph (Jun.)	D.C.
A.B. 1919, Coker College		Conlyn, Robert Marshall (Eng. 29)	D.C.
Colbert, Florence Elizabeth (Jun. 32)	D.C.	Conn, Gilbert DeVoe (Ed., A.M.)	D.C.
Cole, Elmer Clark (Col. 84)	Ill.	B.S. 1914, The George Washington	
LL.B. 1919, The George Washington		University	
University		Connell, John Gibbs, Jr. (Univ.)	Ga.
†Cole, Francis Gandy (Univ.)	D.C.	Connell, Vera Maria (Jun. 32)	D.C.
B.Eng. 1923, Johns Hopkins Univer-		†Connelley, James William (Univ.)	Md.
sity		Connelly, Jehwe Rowan (Med. II)	D.C.
Cole, Henry James (Jun. 24)	Md.	B.S. 1931, Pennsylvania State College	D.C.
†Cole, Neil D. (Univ.)	Va.	Connelly, Mary Elizabeth (Univ.)	N.Y.
Cole, Wesley Stevenson (Law I)	N.Y.	†Connelly, Thomas Francis (Jun.)	D.C.
M.F. 1912, Stevens Institute of		Conner, Helene Allison (Univ.)	D.C.
Technology		Conner, James Rodney (Pharm. 65)	P.I.
Coleman, Allan Bertram (Jun. 16)	D.C.	Conner, Joseph Augustine, Jr. (Jun. 67)	

Conrad, George Thomas, Jr. (Jun. 6)	D.C.	Cottrell, Darl Lorian (Univ.)	Ohio
Conrad, Robert Frank (Law I)	Pa.	B.S. 1938, University of Akron	
B.S. 1938, Lehigh University		Cottrill, Frederick Dale (Pharm. 87)	D.C.
Conrad, Robert Waite (Med. I)	Mo.	Couden, Mary Porter (Jun. 21)	D.C.
†Conway, Harvey E. (Jun. 8½)	Okla.	†Coulson, Rhoda M. Pherson (Univ.)	Fla.
Cook, Charles Francis (Univ.)	Va.	B.S. 1937, Simmons College	
Cook, Donald Clarence (Law, LL.M.)	Mich.	A.B. 1936, American University	
A.B. 1932, M.B.A. 1935, University of Michigan		Coulter, Elizabeth Clarke (Univ.)	D.C.
J.D. 1939, The George Washington University		A.B. 1931, Stanford University	
Cook, George Stenger (Jun.)	Ill.	A.M. 1932, University of Chicago	D.C.
Cook, Giles Burneston, Jr. (Jun.)	Va.	Coulter, Jane Marie (Col. 98)	D.C.
†Cook, Gladys Henrietta (Univ.)	Va.	†Coulter, John Francis (Univ.)	Mass.
Cook, Hazel Iris (Univ.)	Ark.	B.S. 1918, Boston College	
Cook, Jean Meloy (Jun. 6)	D.C.	†Coulter, Virginia Louise (Jun. 32)	D.C.
†Cook, John Lancaster (Jun.)	Calif.	Cramer, Jesse Franklin (Jun. 51)	D.C.
Cook, Leland Augustus (Jun.)	S.C.	†Courtney, Guy Bowdware (Jun. 9)	S.C.
Cook, Marshall Hawkins (Ed. 72)	D.C.	Courtney, Ralph Leady (Jun. 71)	W Va.
†Cook, Mary Tattall (Univ.)	D.C.	†Covey, Dorothy Elizabeth (Univ.)	S Dak.
A.B. 1933, A.M. 1939, The George Washington University		A.B. 1932, Butler University	
†Cook, Robert Paul (Univ.)	D.C.	Covey, William Benjamin (Col. 96)	D.C.
Cook, Roy C. (Col., A.M.)	S.C.	†Cowan, William Mayo (Jun.)	D.C.
A.B. 1931, University of South Carolina		†Cowell, Edith Evangeline (Univ.)	D.C.
Cooke, Nelson Magor (Univ.)	D.C.	Cowell, Evelyn Louise (Col. 96)	Md.
Cooke, Richard Wingfield, Jr. (Law II)	D.C.	†Cowles, Carroll William (Jun. 81)	Va.
M.E. 1942, Stevens Institute of Technology		Cowling, James Edward (Eng. 77)	D.C.
Cooke, Thomas Blacknall (Eng., Und.)	N.C.	Cox, Adam Leckie (Law III)	D.C.
A.B. 1930, College of William and Mary		B.S. 1912, University of Virginia	
A.B. 1937, The George Washington University		Cox, Cecil Thomas (Law II)	Va.
Cooke, Waltzie Deane (Univ.)	Ky.	B.S. 1934, Northwestern University	
†Cooksey, Leslie Earl (Jun.)	D.C.	Cox, Elizabeth P. (Law)	D.C.
†Cooley, C. Earl (Jun.)	D.C.	†Cox, Frances Edline (Univ.)	Ga.
Cooley, Richard Bartlette (Eng. 8)	Wash.	†Cox, Jane Leslie (Univ.)	D.C.
Coombs, Harriet W. (Jun. 15)	D.C.	Cox, Martin Edward (Jun.)	N.E.
Cooper, Claude E. (Med. IV)	Md.	Cox, Mary Louise (Jun. 42)	Ill.
B.S. 1934, The George Washington University		Cox, Mary Warrington (Govt. 94)	Va.
Cooper, Ella Gibson (Law III)	Hawaii	Cox, Mary Winifred (Ed. 111)	Miss.
†Cooper, Grace Ketter (Univ.)	Ill.	†Cox, Ole Eugene (Univ.)	Ga.
†Cooper, Grace M. (Ed. 74)	Mich.	Cox, Philip Archelaus (Med. III)	D.C.
†Cooper, Joseph David (Jun. 19)	N.Y.	Cox, Richard Martin (Law III)	N.C.
†Cooper, Mary Evelyn (Jun. 52)	Iowa	A.B. 1937, The George Washington University	
†Cooper, Robert Leslie, Jr. (Eng. 3)	Ohio	Cox, Robert Eugene (Jun. 48)	Ga.
†Cooper, Rose Applebaum (Univ.)	D.C.	Cox, Royal Hubert (Univ.)	W Va.
†Cooper, George Arthur, Jr. (Jun. 19½)	Idaho	A.B. 1931, Fairmont State Teachers College	
†Copeland, Alfred (Eng. 36)	N.Y.	Cox, Sarah Shirley (Jun. 32)	Md.
†Copeland, Margaret (Jun. 42)	D.C.	Cox, Sydney (Jun. 36)	Maine
†Copps, Christine Elizabeth (Jun.)	Va.	Cox, Thomas Lawson (Jun. 33)	Ga.
Copperman, Hannah (Jun. 10)	Pa.	†Coy, Henry John (Jun. 22)	Utah
†Corbett, Eleanor Maria (Col. 105)	Conn.	†Coy, Victor John (Jun. 6)	Utah
†Corbett, Joseph Francis (Jun.)	D.C.	†Cowie, Zita Mary (Jun.)	Mass.
†Corcoran, Edward Victor (Eng., Und.)	Mass.	†Cozan, Leon William (Jun.)	N.E.
†Corcoran, Joseph Emile (Univ.)	La.	Craft, Charles Gordon (Univ., Col. 95)	D.C.
†Corcoran, Charles Edward (Col. 91)	Idaho	Cragg, Margaret Elizabeth (Ed., A.M.)	D.C.
†Corbett, Mary Elizabeth (Col. 94)	N.Y.	B.S. 1934, Wilson Teachers College	
†Corbett, Clarence Herman (Law I)	Md.	†Craig, Evelyn Lee (Jun.)	Iowa
A.B. 1938, American University		†Craig, George Marshall (Univ.)	Pa.
†Cornwaite, Clayton Randall (Univ.)	Va.	Craig, Katherine Griswold (Univ.)	Okla.
†Corrison, Margaret Mary (Jun. 16½)	Ill.	Craig, Robert Eugene (Law III)	W Va.
A.B. 1938, University of Maryland	D.C.	B.S. in C.E. 1935, West Virginia University	
†Corrigan, Mildred Kathryn (Univ.)	D.C.	†Cramer, Mary Amber (Univ.)	D.C.
Gory, Calvin Macell (Jun. 40)	Nev.	A.B. 1926, The George Washington University	
†Costello, Jane Elizabeth (Col. 61)	D.C.	A.M. 1937, Columbia University	
A.M.)	Okla.	Cramer, Robert Stanley (Jun., Col. 67)	D.C.
B.S. 1934, University of Oklahoma		†Crammer, Robert Reynolds (Jun. 60; Govt.)	N.J.
		Crandall, Clarence Leroy (Col. 60)	Ariz.
		Crandall, Lyle Quinten (Jun. 15)	Ariz.
		Crane, Doris Ruth (Jun. 57)	Md.



Crane, Leo Stanley (Govt., A.M.) B.S. 1917, The George Washington University	D.C.	†Crowell, Junior Francis (Univ.) Crozier, In Bruce (Jun. 12) Crump, Warren Clifford (Eng. 123)	D.C. Md. D.C.
Crane, Paul Bowman (Jun.)	Pa.	†Cryden, Joseph (Univ.) A.B. 1914, Ed.M. 1936, Harvard University	Mass.
Cranford, Elbert John (Univ.)	D.C.	†Crystal, Daniel (Univ.)	N.J.
Cranford, Lela Ashley (Ed., A.M.) B.S. 1917, Wilson Teachers College	D.C.	AB 1915, New Jersey State Teachers College, Upper Montclair	D.C.
Crankshaw, Harold George (Ed., Ed.D.) B.S. 1928, Carnegie Institute of Technology	D.C.	Cratt, Dorothy Olive (Jun. 11) Cubbage, Saylor Casper (Ed., Ed.D.) A.M. 1911, University of North Carolina	D.C. D.C.
A.M. 1912, Cornell University		Cull, Harriet (Col., A.M.) A.B. 1910, University of Nebraska	Nebr.
Craven, Joe Edwin (Jun. 12)	Ill.	Cullen, Russell Harrison (Univ.)	Md.
†Craver, Richard Charles (Univ.)	Va.	*Cullman, Helen Fenwick (Col. 124) Cullman, Beatrice Mansfield (Univ.) Cullum, Dyke H. (Jun.)	D.C. D.C. Pa.
†Crawford, Emily Morrison (Jun. 26)	D.C.	Culp, Theodore Francis (Jun.)	Kant.
Crawford, Francis Victoria (Govt. 104)	D.C.	†Culver, Helen Play (Univ.)	D.C.
†Cree, William Glenn (Law I)	Mich.	†Culver, James Hudson (Univ.) Culver, Kermit L. (Govt., A.M.) B.S. 1914, Northwest Missouri State Teachers College	D.C. Mo.
A.B. 1914, Pennsylvania State College		Cummad, Norma Antoinette (Col. 97)	Md.
A.M. 1916, University of Michigan		†Cunipston, Anna Ramsey (Univ.)	D.C.
Creevy, Marcia Helene (Univ.; Col. 70)	D.C.	Cunningham, Alex H. (Jun. 21)	Mich.
Creel, Edna Mae (Jun.)	D.C.	Cunningham, Doris (Jun. 24)	N.I.
Creel, Hope (Jun. 10)	D.C.	Cunningham, George Chancellor (Jun.) Cunningham, Harry Earl (Law I)	Kv. Va.
†Cregan, Callen Anthony (Col., A.M.) A.B. 1916, Columbia University	N.Y.	B.S. in C.E. 1926, California Institute of Technology	
Creighton, Edwin Milo (Govt. 78)	Kans.	Cunningham, Henry Merritt (Govt., A.M.)	D.C.
Creighton, Helen Evelyn (Law II)	Pa.	B.S. 1918, Georgetown University	
A.B. 1916, University of Michigan		Cupp, Reba Frances (Jun. 21)	Va.
†Cretzmeier, Helen R. (Jun. 29 1/2)	Iowa	Cupples, Homer L. (Law III)	Va.
Crew, Albert Christian (Govt., A.M.) B.S. 1915, Miami University	Ohio	B.C.E. 1921, M.S. 1921, Ph.D. 1924, Ohio State University	
Crickman, William Warren (Univ.)	Ill.	Curtiss, West MacKelvie (Govt., A.M.)	Calif.
Crisler, Catherine Marie (Jun. 5)	N.Y.	AB 1911, University of California	Va.
Croglar, Kathleen June (Jun. 6)	Mo.	Curtis, Lawrence I. (Govt. 108)	Ariz.
†Croglar, Thomas Bots (Univ.)	Ind.	Cutley, Frank Earl (Jun. 32)	Pa.
†Crone, Alvin Milton (Jun. 60)	Idaho	†Cutley, Vincent Joseph (Jun.)	Md.
†Cris, Winifred Ann (Jun. 10)	D.C.	†Curran, Mary Elizabeth (Jun.)	N.Y.
Crist, Richard Lee (Law III)	Va.	†Curran, Thomas Edward, Jr. (Univ.) Curtis, Prescott Hunt (Jun. 48)	N.H. D.C.
A.B. 1916, Princeton University		†Curtis, John James (Univ.)	Univ.
Crowell, Daryl Leland (Eng. 81)	Ind.	Curtis, Lyle S. (Jun. 6)	Pa.
†Crues, Elberta Geraldine (Ed. 90)	Md.	Curtis, Norman Burr (Ed., Ed.D.)	
Crovia, Nina Marie (Col., A.M.) A.B. 1918, The George Washington University	D.C.	AB 1922, Iowa State Teachers College	
Crocker, Marcia Elisabeth (Jun. 42)	Md.	Ed.M. 1916, University of Pittsburgh	
Croft, Bryant Homer (Law II)	Utah	Cushman, David Samuel (Law I)	N.Y.
A.B. 1919, University of Utah		B.S. 1919, College of the City of New York	D.C.
†Cromer, George William (Univ.) B.S. 1921, University of Illinois	Ill.	Custis, Henry Norment (Govt., A.M.) A.B. 1926, Hampden-Sydney College	
Cromwell, Robert Floyd (Ed., Ed.D.) A.B. 1922, Western Maryland College	Md.	L.I.B. 1919, The George Washington University	D.C.
Croymeyer, George Theodore (Univ.) A.B. 1918, University of Kansas	Kans.	Cuttone, Madeline Frances (Jun. 15)	Conn.
†Crock, Samuel Levenson (Jun.)	D.C.	†Czel, James Eugene Jr. (Univ.)	
Croome, John William (Univ.)	Wash.	B.S. in C.E. 1915, North Carolina State College	
†Crosby, Helen (Univ.)	D.C.		
†Crossetta, Albert George (Univ.) A.B. 1918, The George Washington University	Pa.		
Crosley, Pearl Elliott (Jun.)	Kans.		
Cross, James Garland (Ed., A.M.) B.S. 1915, The George Washington University	Md.		
Cross, Sydney Estey (Law I)	N.Y.		
Crossfield, Philip (Eng. 76)	D.C.		
Croute, Francis William (Law III) B.S. in E.E. 1914, Brooklyn Polytechnic Institute	D.C.		
Crouch, Ruth Emeline (Jun. 42; Col.)	D.C.		
Crow, James Wallace (Univ.)	D.C.		
Crowder, Lemuel Henry, Jr. (Univ.)	Va.		
Crowe, Eugene Bertrand (Jun. 17)	Ala.		

D

Dacy, Katherine (Ed. 62)  
†Daffin, Robert Dale III (Col. 108)  
Dahlquist, Nels Olaf Walter (Univ.)

D.C.  
D.C.  
N.J.



# Students Registered

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Dailey, Charlene (Jun. 36)	Colo.	Davis, William Thornton (Govt., A.M.)	Va.
†Dailor, Frances M. (Univ.)	Mich.	B.S. 1918, College of William and Mary	
A.B. 1938, Western State Teachers College		Davis, Albert Plummer (Law I)	Mass.
†Dalberg, Tamar Peterson (Univ.)	N.Y.	B.S. 1935, Northeastern University	
A.B. 1931, Wellesley College		Davis, Anne Bagelow (Jun.)	D.C.
†Dale, John Estes (Univ.)	Md.	Davis, Benjamin Lawrence (Col., A.M.)	Ohio
Daleda, Joseph (Law II)	Mass.	B.S. 1937, The George Washington University	
B.S. 1934, Massachusetts Institute of Technology		Davis, Courtland Harwell, Jr. (Jun. 72; Col.)	Va.
Daley, Charles George (Univ.; Law I)	N.Y.	Davis, Dorothy (Jun. 6)	Tenn.
B.S. in M.E. 1937, Purdue University		Davis, Edna Joyce (Jun.)	Va.
†Dallas, Elizabeth Campbell (Univ.)	D.C.	†Davis, Elanora Birch (Univ.)	D.C.
Dalmon, Jesse (Jun.)	D.C.	B.S. 1926, A.M. 1928, Columbia University	
Daly, Cecelia Ann (Col. 72)	Mich.	†Davis, Esther Packman (Univ.)	Pa.
Daly, Edmund Thomas (Univ.)	Md.	B.S. 1934, University of Pennsylvania	
B.S. 1937, University of Maryland		Davis, Francis Wesley (Jun. 27)	Va.
†Daly, Frances C. (Univ.)	Md.	L.L.B. 1923, The George Washington University	
Dalzell, Harry Perkins (Jun. 54)	Va.	Davis, Frank H. Wood (Law I)	D.C.
Danewald, Russell Edge (Eng. 28)	Tenn.	Davis, Fred Wilson (Law I)	W.Va.
Danzko, Anne (Univ.)	Mass.	A.B. 1918, Maryland College	
Danzuth, Louise Lillian (Univ.)	D.C.	Davis, Fremont (Univ.)	D.C.
A.B. 1934, American University		Davis, Gordon (Jun. 64)	D.C.
Daniel, Charles Elmer (Jun. 9)	Ga.	Davis, Harold Arthur (Jun. 32)	D.C.
Danielson, James Deering (Univ.)	Va.	†Davis, James Bernard (Univ.)	D.C.
Danish, Abraham W. Hie (Med. III)	D.C.	†Davis, Jane Elizabeth (Univ.)	D.C.
A.B. 1928, The George Washington University		Davis, John Harwood (Jun. 104)	Va.
Danish, Jacob Mayr (Med. IV)	Pa.	Davis, Joseph Henry (Jun.)	D.C.
A.B. 1927, The George Washington University		Davis, Mary Margaret (Col. A.M.)	D.C.
†Dannettell, Harry W. Jr. (Eng., Uncl.)	D.C.	A.B. 1937, The George Washington University	
B.S. in M.E. 1915, Drexel Institute of Technology		†Davis, Oray Madison, Jr. (Univ.)	D.C.
†Danzger, Lillian (Col. 111)	Tex.	B.S. 1926, Washington and Lee University	
†Danzger, Sylvia Elsie (Col. 85)	N.Y.	Davis, Robert J. (Univ.)	D.C.
Darby, Eleanor Nourse (Ed. 85)	D.C.	A.B. 1931, The George Washington University	
Darby, John Dale (Univ., Jun. 24)	Md.	Davis, Roy Tasso, Jr. (Law I)	Md.
Darby, Ruth (Jun. 28)	D.C.	A.B. 1937, University of Missouri	
†Darlington, Anne Charlotte (Univ.)	D.C.	Davis, Shirley Mae (Jun.)	D.C.
A.B. 1927, Hollins College		Davis, Wills O'Neill (Jun. 57)	Ohio
Darnall, William Lloyd, Jr. (Jun. 43)	D.C.	Dawes, Maurice Jeanne (Jun.)	Colo.
Darrow, Virginia (Col. 91)	D.C.	Dawes, Gladys Meredith (Jun. 98)	Ky.
Darter, Oscar Haddon (Ed., Ed.D.)	Va.	Dawson, Gerald Richard (Jun. 69; Col.)	D.C.
A.B. 1923, East Central State Teachers College, Oklahoma		†Dawson, Mildred Irene (Col. 100)	D.C.
A.M. 1926, Columbia University		Dawson, Roger Ralph (Law I)	Mont.
Daschke, August John (Eng. 77)	Mich.	†Dawson, Roy Carlton (Univ.)	D.C.
†Dasch, L. Elizabeth (Univ.)	D.C.	B.S. 1937, M.S. 1939, University of Maryland	
Daugherre, Charles Raymond (Jun. 6)	Minn.	Dax, Katherine (Jun.)	Fla.
Daugherre, John Thomas Cotton (Govt. 191)		Dax, Louise Ruby (Jun.)	Mo.
Daugherre, Robert Murray (Univ.)	Minn.	†Dax, Rodney Reiden (Univ.)	Md.
†Daughtery, W. Ward Paul (Jun.)	D.C.	Dick, Francis (Univ.)	Pa.
Daversport, Claude Ralph (Univ.)	Ga.	†Dean, Dorothy Dolores (Univ.)	Wash.
A.B. 1939, Deane College		Dean, John Joseph (Govt. 70)	D.C.
Davey, William Francis (Law I)	N.Y.	†De Angelis, Maxine Perren (Univ.)	Pa.
Davies, Anne Joyce (Col. 98)	D.C.	A.B. 1935, Pennsylvania State College	
Davies, Opal Davis (Col. 76)	D.C.	Deardoff, Louis Carolyn (Univ.)	D.C.
Davidson, Dorothy Sylvia (Jun. 22)	D.C.	Deane, Robert Alfred (Govt. 61)	Ohio
Davidson, Edna Mae (Univ.)	Va.	Davis, L. B. Paul (Jun. 27)	Ohio
Davidson, Florence (Jun. 15)	Md.	De Asley, Lawrence Coryell (Jun.)	D.C.
Davidson, James C. (Col. A.M., Law I)	Mo.	De Batta, Edward Herbert, Jr. (Jun.)	Va.
A.B. 1915, William Jewell College		†Deblene, Verna Cecilia (Jun. 46)	D.C.
†Davidson, John Irving (Jun. 56)	Colo.	Debert, Joseph Alfred (Jun. 45)	Pa.
Davidson, Leo (Univ.)	N.Y.	Decker, Charlotte Birch (Ed., A.M.)	D.C.
B.S. in C.E. 1915, Syracuse University		B.S. 1939, Wilson Teachers College	
†Davidson, Rita (Jun. 26)	N.Y.	De Clercq, Robert Edward (Jun. 43)	Wis.
†Davidson, William Clarence (Univ.)	D.C.	Dedick, Andrew Paul, Jr. (Med. I)	Pa.
		Dedick, Eugene Andrew (Eng. 16)	Pa.

Dedman, Bertram Cottingham (Law II)	Tenn.	Dewhirst, Edith Ward (Ed., A.M.)	D.C.
A.B. 1917, University of the South		B.S. 1925, Harrisonburg College	D.C.
Decey, Margaret Mary (Ed., A.M.)	D.C.	Dewhurst, Howard Homer (Ed. 88)	Utah
B.S. 1934, State Teachers College,		†Dewson, Ralph LeRoy (Col., A.M.)	
Kutztown, Pa.		B.S. 1936, University of Utah	D.C.
Dees, Lola Tidwell (Jun.)	D.C.	Dick, Ruth Eleanor (Ed., A.M.)	
Deeter, William Taylor, Jr. (Jun.)	Pa.	A.B. 1919, The George Washington	
Deeters, Edward William (Eng. 47)	Va.	University	Va.
†De Gietans, Stewart Edwards (Univ.)	N.Y.	†Dicke, Ferdinand Frederick (Univ.)	
De Gnahli, Joe (Law III)	Va.	B.S. 1927, Ohio State University	D.C.
A.B. 1925, Harvard University		Dickens, Nell Mae (Col. 83)	D.C.
De Goyer, John Gobel (Univ.)	Utah	†Dickerman, Delight (Col. 99)	Conn.
Dehn, Ervin Noble (Jun. 24)	Ill.	Dickerman, Jane (Law III)	
Deibert, Sidney Harvey (Jun. 59)	Pa.	A.B. 1912, Middlebury College	Va.
Dekelbaum, Bertha (Jun.)	D.C.	†Dickerson, Broadus Cecil (Univ.)	S.D.
†DeLeon, Otto Joseph (Jun. 20)	N.Y.	†Dickinson, George Bernard (Jun.)	Va.
De Land, Louis Mason (Univ.)	N.Y.	Dickson, Robert Duval (Jun.)	D.C.
B.S. in C.E. 1916, Lehigh Uni-		Dickson, Marry Robison (Grad., Ph.D.)	
versity		A.B. 1925, Wofford College	
†Delany, Eleanor (Univ.)	Fla.	A.M. 1911, University of North	
B.S. 1928, Florida State College		Carolina	D.C.
†DeLander, Philip Joseph (Univ.)	D.C.	Dieffenbach, Jean Adele (Jun.)	D.C.
Dellegrasso, Philip (Univ.)	Ill.	Dieffenbach, Karl (Jun. 4)	N.Y.
Dellinger, Harry Keith (Jun. 12)	N.C.	†Diener, David Ephraim (Univ.)	D.C.
De Long, Harry Leonard (Law I)	W.Va.	Dienst, Anne Elizabeth (Col. 112)	D.C.
A.B. 1916, West Virginia University		†Diermier, Natalie Smith (Univ.)	
Deming, Patrick McCordle (Jun. 21)	D.C.	A.B. 1924, A.M. 1925, The George	
†Deming, Helen Martine (Col. 111)	D.C.	Washington University	Pa.
Demmen, Thomas (Univ.)	Ill.	Dietrich, Earl Donald (Jun. 15)	D.C.
†Denney, Fred Heller (Col. 87)	D.C.	Dietrich, Warren William (Univ.)	D.C.
Dennis, Lindley Harg (Ed., Ed.D.)	D.C.	Dietz, Karl E. (Eng. 11)	D.C.
B.S. 1912, Pennsylvania State College		Dievade, Francis Stewart (Jun.)	D.C.
A.M. 1911, Columbia University		Di Francesco, Vincent James (Med. IV)	D.C.
Dennis, Lowell Mandeville (Jun. 21)	Ala.	Diggs, Jesse Franklin III (Col., A.M.)	
Denny, Ethel M. (Jun. 69, Col.)	D.C.	A.B. 1918, American University	D.C.
†Denny, James Howard (Univ.)	Del.	†Dulcer, Mary Marguerite (Univ.)	
†DeNovens, Marie (Univ.)	N.Y.	†Dill, Wendell M. (Col. 60)	Id.
A.B. 1937, Hunter College		†Diller, Charles Carvel (Jun. 107)	Tex.
De Ponceau, Arthur Ottavio (Law I)	Pa.	Dillon, Billy Neal (Law II)	
B.S. 1920, Grove City College		A.B. 1935, Daniel Baker College	
Depro, Lewis Fisher (Law I)	Mass.	A.M. 1937, University of Texas	D.C.
Ph.B. 1911, College of the Holy		Dillon, Helen Warner (Jun. 181)	D.C.
Cross		†Dillon, William Ray (Jun.)	Va.
Dermody, Woodrow Grimes (Law I)	Ohio	Dunick, Thomas Byron (Univ.)	
†De Rosa, John Edward (Univ.)	N.Y.	B.S. 1916, McKean State College	
De Rosa, William Vitale (Univ.)	D.C.	M.S. 1917, University of Michigan	Tex.
Deer, George Lewis (Law II)	Pa.	Dungus, Wallace Elton (Jun. 46)	Ind.
Derrick, Duane Greenwood (Jun. 26)	Utah	Dunson, Michael Paul (Univ.)	Cal.
Derrick, William Sheldon (Med. II)	D.C.	†Dunsmore, Francis Philip (Eng. 46 & 110)	Tenn.
Detrackson, Vivian Ragon (Col., A.M.)	N.J.	Dunsmore, John David (Law I)	
A.B. 1917, The George Washington		A.B. 1930, University of Alabama	D.C.
University		†Dionolo, Tomas M. (Govt., A.M.)	
Derrag, Raymond Edwin (Med. IV)	Idaho	A.B. 1919, The George Washington	
B.S. 1914, University of Idaho		University	
Derwin, Thomas Augustine (Ed.,		Dister, Oscar Charles (Jun. 16)	Pa.
A.M.)	Conn.	Di Zerega, Augustus (Univ.)	D.C.
B.S. 1924, Fordham University		Di Zerega, Laura Smith (Univ.)	D.C.
†Desch, Paul Leonard (Jun. 1)	D.C.	Dunstaff, Olga (Jun.)	Ill.
De Sena, Ralph (Jun. 16)	N.Y.	Dubberstein, Clarence Albert (Jun.)	D.C.
†Desjardis, Mancel J. (Law I)	N.Y.	Dubban, Rose Ellen (Jun. 65)	N.Y.
A.B. 1919, The George Washington		†Dubois, Wanda Helen (Jun. 11)	ME
University		Dubois, Elizabeth Lewis (Jun.)	Pa.
Desprez, Louis Willoughby (Jun. 6)	D.C.	Duckert, John Paul (Med. I)	Tex.
†De Temple, Bernard J. (Jun.)	W.Va.	Duch, Aulevian Maynard (Ed. 64)	D.C.
†Detlman, John Peter Herman	Wash.	Duch, Georgia Miller (Jun.)	Va.
(Col. 92)		†Dudge, Charles Henry (Univ.)	Mont.
†Devine, Joseph John (Jun.)	Pa.	†Dudge, Lorna Dore (Ed. 86 & 9)	N.J.
Devonald, Ira Richard (Govt., A.M.)	D.C.	Dudge, Marion Moore (Col. 128)	Va.
A.B. 1919, The George Washington		Doe, Frederick Henry, Jr. (Eng. 81)	Id.
University		Doerr, Paul Luckel (Ed., A.M.)	D.C.
Dewey, Allen Leonard (Col. 71)	Iowa	A.B. 1928, University of Maryland	
		†Deyett, Frances Towers (Ed., A.M.)	
		A.B. 1906, Vassar College	



# Students Registered

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Dolinsky, Ida (Col. 64)	D.C.	Downs, Herbert (Univ.)	D.C.
Dom, Jesse Ray (Eng. 18)	Md.	Dovey, Roy Watkins (Col., A.M.)	Utah
Dominick, William Elliott (Law I)	Mass.	A.B. 1935, The George Washington University	
B.Chem. 1939, Cornell University		Doyle, Elsie Catherine (Jun.)	D.C.
Donahue, Mary Helena (Univ.)	D.C.	Doyle, Gontsey William (Jun. 14)	Pa.
A.B. 1928, The George Washington University		Doyle, Mary Margaret (Jun.)	Pa.
Donahue, Thomas Haynie (Law I)	Nebr.	Doyle, Mary Jean (Col., A.M.)	D.C.
A.B. 1948, Nebraska Wesleyan University		A.B. 1935, The George Washington University	
Donaldson, Ann Katherine (Jun.)	D.C.	Doyle, Peter Joseph (Univ.)	La.
Donaldson, David Rumbaugh (Jun.)	Va.	Doyle, Vernon Myler (Jun. 71)	Tenn.
Dosut, Anthony Franklin (Law I)	Ill.	*Draemer, Abe M. (Govt. 99)	Tex.
A.B. 1948, Illinois College		Drake, Augustine Ruth (Govt., A.M.)	Ill.
Doster, Robert Thomas (Univ.)	Wash.	A.B. 1945, Northwestern University	
Douglas, Frederick Young, Jr. (Med. III)	D.C.	Drake, Beulah Jones (Univ.)	D.C.
Douglas, Jennie McFlatt (Jun.)	S.C.	A.B. 1931, A.M. 1938, The George Washington University	
Douglas, Edward Hunter, Jr. (Col. 79)	D.C.	Drake, Vera Cady (Univ.)	D.C.
Douglas, Edna Lorraine (Jun. 3)	Mo.	B.S. 1934, Oklahoma State Agricultural College	
Douglas, Ethel Russell (Eng. 26)	D.C.	Drake, William Hacker (Eng. Univ.)	Fla.
Douglas, James Francis (Jun.)	Md.	A.B. 1932, Princeton University	
Douglas, Dorothy Marie (Jun.)	D.C.	LL.B. 1936, University of Virginia	
Douglas, Jack Humphrey (Jun.)	Ky.	Draper, Elizabeth Kent (Ed., E.D.)	D.C.
Douglas, John T. (Ed., A.M.)	Md.	A.B. 1925, A.M. 1931, The George Washington University	
A.B. 1924, Indiana State Teachers College		Drayton, Charles DeVere, Jr. (Col. 86)	D.C.
LL.B. 1940, LL.M. 1941, Georgetown University		Drescher, Herman Oron (Med. III)	N.J.
Donegan, Patricia Hazard (Col. 89)	D.C.	B.S. 1937, Dickinson College	
Donovan, Patrick Joseph (Univ.)	N.Y.	M.S. 1939, Rutgers University	
A.B. 1932, M.S. 1937, Georgetown University		Dresser, Evelyn Louise (Jun. 59, Col.)	N.J.
Donze, Thelma Frances (Ed., A.M.)	D.C.	Dresser, Idellene (Col. 24)	Mass.
B.S. 1936, Wilson Teachers College		Drews, Dorothy H. (Univ.)	Mont.
Doolan, Robert L. (Law III)	Wis.	Driscoll, Milton (Univ.)	N.Y.
A.B. 1946, The George Washington University		B.S. 1934, Massachusetts Institute of Technology	
Doolin, Elizabeth Dent (Univ.)	D.C.	Driscoll, Kenneth Donald (Univ.)	N.Y.
A.B. 1924, A.M. 1926, The George Washington University	N.Y.	Drummer, Sam E. (Col. 114)	N.Y.
Dorfman, Bebe (Jun. 55)		Dryden, John Benjamin (Eng. 33)	D.C.
Dorfman, Milton (Med. I)	D.C.	Dryden, John Edgar (Univ.)	N.Y.
A.B. 1939, New York University	N.Y.	Duffy, Anthony Foster (Jun. 17)	Va.
Dorcas, Earl Nelson (Law III)	Utah	Duffy, Louis Mason (Jun. 19)	D.C.
Dorcas, Celeste (Col. 79)	Va.	Duffy, Katherine (Ed., E.D.)	S.Dak.
†Dorcas, Charles Samuel, Jr. (Ed., A.M.)	Md.	A.M. 1928, Columbia University	
A.B. 1948, Western Maryland College		Dussel, Charles Herbert (Law I)	Ill.
Dorsett, Harold Lee (Law II)	Wyo.	B.S. 1948, Bradley Polytechnic Institute	
Dorsey, Guy H. (Univ. Jun. 5)	N.I.	Dryden, Leslie Powell (Jun. 13)	Md.
†Dorsey, Stanley (Ed., A.M.)	D.C.	†Dryden, Mary L. (Univ.)	D.C.
B.S. 1939, Wilson Teachers College		†Dunbar, Victor E. (Univ.)	Ark.
Doster, Bernice Ellington (Jun. 6)	Minn.	Dunbar, Norman (Law II)	N.Y.
Doston, James William (Jun.)	W.Va.	B.S. 1942, College of the City of New York	
Dove, Mildred Margaret (Jun. 39)	Va.	Dunbar, Jack (Law I)	Calif.
Dowdell, Francis Robert (Univ.)	D.C.	Dunbar, Helen Betty (Jun.)	Va.
Dowdell, Daniel Edward (Jun. 48)	Pa.	Dunbar, Mary Catherine (Jun. 9)	Ky.
Dowdell, Frances Palmer (Jun. 58)	Fla.	Duckworth, Raymond Francis (Govt. 66)	D.C.
Dove, Walter Robinson (Eng. 101)	D.C.	LL.B. 1934, The George Washington University	
Dove, Samuel (Med. I)	D.C.	†Dudek, Laura Dorothy (Jun.)	Pa.
Dowl, James John (Jun. 27)	Ill.	Dudek, Helen Gertrude (Univ.)	Ill.
Dowd, Thomas Nathan (Law I)	Iowa	Ph.D. 1939, University of Chicago	
A.B. 1939, The George Washington University		Dudley, Lela M. (Ed., Jun. 20)	Va.
Dowling, Joseph French (Law I)	S.Dak.	Dudley, Robert Lee (Eng. 42)	Tenn.
A.B. 1928, Yankton College		Duffy, Alfred (Jun. 19)	Univ.
Dowling, Paul William (Univ.)	Pa.	Duffy, R. Margaret (Univ.)	Ind.
B.S. in C.E. 1939, The George Washington University		Duffy, Anne H. (Univ.)	D.C.
† Deceased.		A.B. 1925, A.M. 1932, The George Washington University	
		Duke, Louis Jean (Jun. 22)	D.C.
		Dukes, Barbara Ann (Univ.)	Calif.
		Dumire, Paul Edwin (Univ.)	W.Va.



Dunbar, Anne Cameron (Jun. 38)	Conn.	Ebel, Mary Katherine Killean (Ed. 82)	D.C.
Dunbar, Clara Harlan (Univ.)	D.C.	Eberle, Donald Vernon (Jun. 91)	D.C.
A.B. 1914, Indiana State University		†Eberly, Mary Virginia (Univ.)	Ohio
A.M. 1917, Cornell University		†Eberman, Blanche Tryon (Jun. 87½)	D.C.
Duncan, Clyde Emerson II (Jun. 45)	Wyo.	†Ebert, James (Jun.)	D.C.
†Duncan, Madeleine Marie (Ed., A.M.)	D.C.	Ebrste, Scott (Eng. 45)	D.C.
B.S. 1935, Wilson Teachers College		†Eckert, Thomas Joseph (Col. 69)	D.C.
Duncan, Peggy Elizabeth (Univ.)	D.C.	†Eddy, Charles Ernest (Univ.)	Mich.
A.B. 1917, The George Washington University		B.S. 1919, Cleary College	
Dunham, Frank Clyde, Jr. (Jun. 26)	D.C.	Eddy, Harry Laurelat (Col., A.M.)	D.C.
Dunham, Jean LaVell (Med. II)	D.C.	A.B. 1936, University of Denver	Pa.
†Dunlap, Anne Rogers (Univ.)	Va.	Eddy, Helen Louise (Univ.)	
A.B. 1933, Washrop College		A.B. 1934, Lebanon Valley College	
M.S. 1934, College of William and Mary		A.M. 1934, The George Washington University	
†Dunlap, Donald (Univ.)	D.C.	Edelin, Charles Samuel (Univ.)	Fla.
Dunlap, Mary McNeill (Col., A.M.)	D.C.	†Edelman, Seymour (Univ.)	Pa.
B.S. 1922, University of Mississippi		†Edelson, Gertrude Mary (Ed. 102)	D.C.
Dunn, Dorothy Ann (Law I)	Iowa	†Edelstein, Harry M. (Law, Spec.)	D.C.
A.B. 1930, University of Iowa		I.I.B. 1922, New York University	Minn.
Dusen, Vernon Myron (Univ.)	Nebr.	†Edelston, Shirley Helen (Col. 68½)	D.C.
Duquette, Raymond Yves (Univ.)	D.C.	†Ehldt, Theodore R. (Govt. 84)	N.Y.
Durda, Joseph Anthony (Univ.)	D.C.	†Edgerton, John D. (Univ.)	D.C.
†Durfee, Thomas Drake (Univ.)	N.Y.	†Edmonds, Elizabeth Merrill (Jun. 22)	
A.B. 1940, The George Washington University		†Edmondson, Oliver Newton (Pharm. 109)	Va.
Durst, Barbara Alice (Univ.; Col. 73)	Calif.	Edmonds, James B., Jr. (Govt. 93)	D.C.
†Dury, Abraham (Univ.)	N.Y.	Edwards, Benjamin Franklin (Med. I)	D.C.
A.B. 1936, Brooklyn College		Edwards, Carleton Ula II (Law II)	D.C.
Duthie, Robert Bruce (Jun.)	Ohio	A.B. 1939, The George Washington University	N.Y.
Duvall, Allen Joseph (Jun. 42)	D.C.	Edwards, Charles Everett (Jun. 6)	D.C.
Duvall, Andrew Bradley, Jr. (Law I)	D.C.	Edwards, Edith Rita (Col. 107)	D.C.
A.B. 1939, Princeton University		†Edwards, Frederick F. (Govt., A.M.)	
Duvall, Andrew Reid, Jr. (Eng. 97)	D.C.	A.B. 1939, Case College	Wash.
Duvall, Mabel Belle (Jun. 38)	Va.	Edwards, Gemma R. (Univ.)	
†Duvall, Rachel Antoinette (Ed. 51)	D.C.	A.B. 1935, A.M. 1939, The George Washington University	D.C.
†Duvall, William Whitford (Univ.)	Md.	Edwards, Jean Shearer (Jun.)	Vt.
Dyck, Homer Davis (Col. 99)	Kans.	Edwards, John Albert (Med. I)	Vt.
†Dye, Archie Wellens (Col. 84)	N.C.	Edwards, Laurene (Jun. 42)	Vt.
†Dye, Emmett Charles (Univ.)	Md.	*Edwards, Luther Rice (Law III)	
B.S. 1941, South Dakota State College		B.S. 1932, Virginia Polytechnic Institute	Va.
M.S. 1925, University of Wisconsin		†Edwards, Robert Frederick (Jun.)	Md.
Dye, Norma Avarille (Jun. 39)	Ill.	Edwards, Walter Robert (Col. 95)	D.C.
Dyer, Joseph Charles (Eng. 6)	D.C.	†Eber, Isadore (Jun.)	Kang.
Dyer, Louis Lillian (Jun. 24)	Mo.	Fagen, Charles Burton (Eng.)	D.C.
Dyer, Louise Garland (Jun. 44)	N.Y.	†Eagers, Harold A. (Univ.)	
Dyer, M. Russell (Eng. 85)	D.C.	B.S. in E.E., 1937, University of Maryland	
E			
†Eder, Everett Anderson, Jr. (Jun.)	D.C.	Egloff, Elva Elizabeth (Jun.)	D.C.
†Egan, Robert Thomas (Jun.)	Ohio	†Eliet, Elma (Univ.)	Ala.
Eakin, George Gordon (Jun.)	Pa.	Elkard, James Toner (Eng. 11)	D.C.
†Earle, Elizabeth Rebecca (Univ.)	D.C.	†Elich, Rosette Sara (Univ.)	Cal.
†Earle, Laura W. (Univ.)	Pa.	†Erlach, Martin Blake (Jun. 64)	N.J.
†Early, Nancy Barksdale (Jun.)	D.C.	†Esher, Elizabeth (Col., A.M.)	Law
†Eaton, Catherine Shippe (Univ.)	W.Va.	A.B. 1938, Parsons College	D.C.
†Easter, Howard Edwin (Jun.)	N.Y.	†Eicher, Maynard (Col., A.M.)	
†Easton, Edwin Marney (Med. I)	Va.	A.B. 1917, American University	D.C.
†Easton, Lucy Beale (Univ.)	D.C.	†Eichner, Mildred Vonn-H (Univ.)	
A.B. 1937, The George Washington University		A.B. 1924, A.M. 1930, The George Washington University	N.Y.
Eastman, Mary Frances (Ed. 97)	D.C.	Eisenberg, William Verna (Col., A.M.)	D.C.
Easton, Roy Brandon (Col. 65)	Ky.	A.B. 1914, Brooklyn College	
†Eaton, Joe Henry (Univ.)	D.C.	Eisenhart, Earl Eli, Jr. (Law II)	
Eaton, Paul Russell (Law I)	Ariz.	A.B. 1928, The George Washington University	Ind.
A.B. 1938, University of Arizona		†Elam, George E. (Jun.)	D.C.
Eaves, Robert Wendell (Ed., F.D.)	D.C.	†Elkind, John Eugene (Jun.)	Mont.
A.B. 1928, University of North Carolina		Elder, Catherine Mary (Univ.)	
A.M. 1931, The George Washington University		A.B. 1938, University of Montana	N.Y.
		Eldridge, Eugene Russell (Col. 75)	Md.
		Eldridge, Frank Reed, Jr. (Col. 106)	

# Students Registered

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Elyon, Albert Jackson (Jun. 61)	Va.	Erickson, Robert (Eng. 51)	Va.
Elms, Isador Jack (Govt. 8112)	N.Y.	†Erickson, Harold Alexander (Univ.)	Ill.
Elmson, Israel J. (Col., A.M.)	N.Y.	Ph. B. 1935, University of Chicago	
B.S. 1937, College of the City of		A.M. 1936, Northwestern University	
New York		Erickson, Amy L. (Jan. 31)	Idaho
Elledge, Annie Moore (Ed. 7535)	Miss.	†Eris, Louise Martha (Jan. 66)	D.C.
Ellen, Melton (Law II)	Conn.	†Erl, Fritz Nazim (Col. 102)	D.C.
†Elmator, Richard Price (Eng. 6)	D.C.	†Erl, Yvonne Mary (Col. 60)	D.C.
Ellott, Mildred English (Jun. 40)	D.C.	†Ertel, Marie H. (Jan. 1)	Ohio
†Ellis, Clyde Taylor (Law I)	D.C.	†Ertel, Raymond D. (Univ.)	D.C.
†Ellis, Hazel T. (Univ.)	Mid.	*Ertel, Harold Welsh (Col. 121)	Mass.
Ellis, John Fred, Jr. (Univ.)	Ark.	†Ervin, Herbert Clarence (Univ.)	Miss.
Ellis, John Plather (Law I)	Ark.	A.B. 1925, Iowa State University	
Ellis, Laura Harris (Ed. 143)	D.C.	Eskew, Virginia Pocahontas (Govt.,	
Ellis, Ruth Joy (Jun. 39)	Mid.	A.M.)	
Ellison, James Theodore (Law II)	D.C.	A.B. 1915, The George Washington	Ark.
A.B. 1918, University of North	Tenn.	University	
Carolina		Estabrook, Carl Gathier (Eng. 103)	Mid.
†Ellison, Lee Edward (Jun.)	Wis.	†Estabrook, John Albert (Govt. 941 Col.)	D.C.
†Ellsworth, George C. (Law, Uncl.)	Ohio	†Estabrook, Helen (Univ.)	S.C.
Live, Phil (Col. 86)	Ky.	†Estabrook, Bernard S. (Univ.)	Mid.
Elvove, Paula Rose (Jun. 71)	D.C.	†Ester, Richard Lee (Med. I)	Tex.
Emarey, Robert Moore (Jun. 30)	Ark.	†Evans, James (Col. 20)	D.C.
Emery, Thomas Carl (Univ.)	D.C.	†Evans, Ernest Linn (Univ.)	Mid.
Emerson, Earl Walter (Eng. 81)	D.C.	B.C.E. 1921, Ohio State University	
Emery, Warren Edwards (Law I)	Mich.	M.B.A. 1927, Harvard University	
B.S. in M.E. 1938, University of		†Evans, Frank Deen (Law I)	Mid.
Michigan		B.S. 1928, University of Maryland	
Empf, Edna Margaret (Jun. 24)	Oreg.	Evans, John Orville, Jr. (Law II)	D.C.
†Enshwiler, John Patterson, Jr. (Govt.	Ind.	B.S. in Chem.E. 1934, Lehigh	
111)	N.Y.	University	
†Erdler, Presella Zwell (Univ.)	D.C.	†Evans, John MacNair (Univ.)	D.C.
Endres, Charlotte Marie (Govt. 84)	N.J.	†Evans, William Ashton (Jun. 19)	Va.
Engel, Gertrude Ruth (Jun.)	D.C.	Live, Christopher Frederick (Jun. 37)	S.C.
Engel, Lea Kathryn (Univ.)	D.C.	†Everett, Louis Bess (Med. III)	Minn.
A.B. 1935, A.M. 1937, University		†Everett, Robert Hawkins (Univ.)	D.C.
B.S. 1938, Wilson Teachers College		*Everett, Grover Wadsworth (Ed., A.M.)	Va.
Enselbach, Margaret Elizabeth		B.S. 1935, University of Virginia	
(Jun. 48)	Mich.	†Everett, Marjorie Elizabeth (Jun. 30)	D.C.
†Engelbrecht, Fred Byron (Eng.)	N.J.	†Ewald, Louise Helen (Univ.)	Va.
Engelsky, Phil Carson (Med. IV)	Pa.	†Ewin, William Harold (Jun. 69)	Idaho
A.B. 1926, University of Kansas	D.C.	†Ewing, Pauline Louisa (Law III)	D.C.
Engen, Gilbert Adolph (Eng., C.E.)	Pa.	Ewa, Constance Margdalene (Ed. 61)	Minn.
Engle, Henry B. (Ed., A.M.)			
B.S. 1925, Pennsylvania State			
College			
†Enrich, Harry Jackson (Col. 64)	Calif.		
†Enright, Marie Grace (Univ.)	Calif.		
B.S. 1935, Wilson Teachers College	D.C.		
†Enrich, Percy Ann (Univ.)	Va.		
Enrich, Thomas Young (Law I)	Tenn.		
Enns, Howard Wesley, Jr. (Jun. 87)	D.C.		
Enns, Arthur Raymond, Jr. (Univ.)	D.C.		
†Enright, Marian E. (Govt. 81)	N.Dak.		
Epstein, Estelle Cecelia (Univ.)	D.C.		
B.S. 1931, Madison College			
Epstein, Joseph Bernard (Jun. 36)	N.Y.		
†Epstein, Julius (Univ.)	D.C.		
Phar G. 1934, B.S. 1936, The			
George Washington University			
†Epstein, Leo (Univ.)	Mass.		
A.B. 1917, Harvard University			
Ed.M. 1938, Boston Teachers			
College			
Epstein, Matthew H. (Univ.)	N.Y.		
Epstein, Ralph (Jun. 39)	D.C.		
Epstein, Salmy (Jun. 24)	D.C.		
Erbes, Dorothea Josephine (Univ.)	Wis.		
†Erdel, Benah L. (Univ.)	Mass.		
†Ereza, Luna Emily (Univ.)	D.C.		
†Ereza, Monty (Govt. 71)	D.C.		
†Erickson, Ray Charles (Jun. 47)	Mass.		

## F

Fabrega, Ivan de la Vela (Med. II)	D.C.
†Faber, Henry Joseph (Univ.)	Conn.
A.B. 1934, A.M. 1934, Yale	
University	
Faber, John Francis (Med. III)	Mass.
A.B. 1937, College of the Holy	
Cross	
†Faber, Harold Bernard (Jun. 38)	D.C.
†Faber, Kenneth Merle (Univ.)	Mich.
A.B. 1937, The George Washington	
University	
Fair, Seymour Burton (Jun.)	D.C.
†Fairbanks, Lyman Nelson, Jr. (Jun.)	Va.
†Fairbank, John Joseph (Med. I)	D.C.
†Fairman, James Ippert (Law, 9)	Pa.
Fairlie, Lou Caroline (Govt. 7711)	D.C.
Fairlie, Katherine Renard (Univ.)	D.C.
Fairlie, Marjorie Frances (Univ.)	D.C.
†Fairley, George Bennett (Univ.)	Minn.
Fair, Byron Arthur (Govt. 1166, Col.)	Minn.
†Fair, Frederick Leon (Jun.)	D.C.
Fair, Marie Carson (Col. 20)	D.C.
†Fair, William Linwood (Jun. 55)	D.C.
Fair, William (Univ.)	N.Y.
†Fair, William (Univ.)	D.C.
†Fair, John Gerald (Jun.)	D.C.
Fair, James Marjorie (Jun.)	Calif.
Fair, Sammy Merilee (Law II)	Okla.



Faria, Hale Paul (Univ.)	Va.	Ferguson, Francis Robert (Univ.; Eng. 31)	Ind.
Faria, Marvin L. (Law II)	Nebr.	Ferguson, Garland S. III (Law I)	D.C.
†Farkas, Frank George (Univ.)	Pa.	†Ferguson, Hazel (Univ.)	Ark.
†Farmer, Guy Otto (Law, LL.M.)	W.Va.	Ferguson, Jack Martin (Jun. 18)	Ala.
A.B. 1934, LL.B. 1936, West Virginia University		Ferguson, John Alexander (Eng., Uncl.)	Tex.
†Farmer, Warren A. (Col. 99)	Nebr.	B.S. 1936, Texas College of Mines and Metallurgy	
†Farnham, Adele Katherine (Univ.)	Kans.	Ferguson, Josiah Deming (Ed., A.M.)	Md.
†Farrell, John C. (Med. I)	Oreg.	A.B. 1915, University of Chicago	
A.B. 1929, University of Oregon	N.J.	Ferguson, Robert Emil (Law III)	Kans.
†Farrell, John Matthew (Univ.)	D.C.	A.B. 1938, The George Washington University	
†Farrell, John Rhea (Jun. 45)	D.C.	†Ferguson, Thomas Cooley (Ed., Ed.D.)	Md.
†Farrell, Patricia Marie (Univ.)	D.C.	A.B. 1915, University of South Dakota	
†Farrington, Claud Max (Univ.)		Ed.M. 1930, Harvard University	Iowa
A.B. 1927, Westminster College		Ferguson, William Richard (Col. 84)	N.Y.
B.S. 1931, A.M. 1934, The George Washington University		Fern, Leila (Univ.)	
Farwell, Dorothy Ellen (Jun.)	D.C.	A.B. 1936, The George Washington University	
Fashbender, Katherine (Jun.)	Ill.	Fern, Robert (Col. 129; Law II)	N.Y.
Fass, Irwin (Law II)	N.Y.	Fernandez, Louis Andre (Univ.)	Fla.
Fast, Betty Ann (Col. 91)	Md.	Fernex, S. Edgar (Univ.)	D.C.
†Faulkner, Flora Opal (Univ.)	S.C.	Ferraris, Severino Hedriana (Univ.)	D.C.
†Faulstich, Edward Felix (Jun.)	Pa.	Ferree, Itha Henrietta (Jun. 4)	Pa.
Faurot, James Edwin (Col. 78; Law I)	Calif.	Ferrell, Marshall Hanley (Jun. 74; Govt.)	Mich.
Febrey, Albert William (Jun.)	Md.	Ferry, Thomas Francis (Ed., Ed.D.)	D.C.
†Feckler, E. Guinevere (Univ.)	Calif.	A.B. 1925, Georgetown University	
A.B. 1934, University of California at Los Angeles		A.M. 1937, The George Washington University	
Fedderson, Ralph Henry (Govt. 10845)	Colo.	Fessenden, George Russell (Col. A.M.)	D.C.
Feder, Manuel (Jun.)	N.J.	B.S. 1939, The George Washington University	
†Federat, Marie M. (Jun.)	D.C.	Fetter, Theodore Albert (Law II)	Mo.
Federline, Francis Everett (Univ.)	D.C.	B.S. 1929, M.S. 1931, Washington University	N.Y.
†Fedorin, Arthur David (Jun.)	Mass.	Fensterstein, Benjamin (Law II)	
Federman, David (Col. A.M.)	N.Y.	B.S. 1935, Brooklyn College	
A.B. 1934, Brooklyn College		*Fichtandler, Thomas Carlyle (Col. A.M.)	N.Y.
Fedora, Walter Jack (Jun. 24)	D.C.	A.B. 1936, Brooklyn College	Ind.
Fee, Edna (Univ., Jun. 61)	D.C.	Fickle, David Paul (Eng.)	D.C.
Fegan, John Bernard (Jun. 54)	D.C.	Fiddes, Harrison Earle (Jun. 67)	D.C.
Fegenbaum, Lawrence H. (Col., A.M.)	N.Y.	†Field, John Morris III (Univ.)	D.C.
A.B. 1929, Brooklyn College		Field, N. Hazel (Col. 60)	Va.
†Felt, John, Jr. (Univ.)	N.Y.	Foley, Petrus Brunt (Jun. 88)	Md.
Festlans, Myron H. (Jun. 46)	D.C.	Fomen, Francis Kennedy (Jun. 8)	D.C.
†Fetlin, Constance (Jun. 20)	D.C.	Fraser, Julian Alexander (Jun.)	Pa.
†Feldman, Herman (Univ.)	N.J.	Finlay, Joseph Peter (Jun. 68)	N.I.
B.S. 1938, Long Island University		Finlay, Mary Elizabeth (Univ.)	D.C.
Feldman, Isaac (Jun. 80)	D.C.	†Fine, Elaine (Jun.)	Va.
Feldman, Melville William (Jun. 51)	D.C.	†Finerty, John Frederick (Univ.)	Va.
Feldman, Rosetta A. (LL.M.)	Md.	Finestone, David B. (Univ., Govt. 96)	Va.
B.S. 1934, Johns Hopkins University		†Finlayson, Henry Lee (Univ.)	D.C.
Feldman, Sadie B. (LL.M.)	D.C.	†Finnegan, Charles Francis (Col., A.M.)	Mass.
B.S. 1936, Johns Hopkins University		A.B. 1938, Boston College	D.C.
†Felt, Lila Hilbert (Univ.)	Mo.	Finnegan, Edward Lawrence (Univ.)	D.C.
†Felt, Lila Hilbert (Univ.)	N.H.	†Finney, Robert Ross (Jun.)	
†Felt, Mark (Law II)	D.C.	†Finney, Frances Ruth (Univ.)	
A.B. 1938, University of Idaho	Idaho	A.B. 1936, A.M. 1938, The George Washington University	D.C.
Feltner, Edwin Lester (Jun. 85)	N.Mex.	†Fitz, Lucile Judge (Univ.)	Va.
Feltner, William L. (Univ.)	N.Mex.	†Fitz, Peter Hengshamer (Law I)	
†Feltner, George Franklin (Eng. 70)	Va.	B.S. in C.E. 1931, Drexel Institute of Technology	D.C.
Fenby, Mary Louise (Col. A.M.)	D.C.	†Firth, Warren Arthur (Jun.)	Md.
A.B. 1936, The George Washington University		†Fisher, Ernest William (Univ.)	
Fenderson, Albin Prentiss (Col. 124)	D.C.	B.S. in C.E. 1939, Johns Hopkins University	D.C.
Fendon, Raymond Henry (Jun. 85)	D.C.	†Fischer, Lucille Colton (Univ.)	
Ferens, Michael Lee (Col. 1315)	D.C.		
B.S. in Ed. 1931, Northwestern Missouri State Teachers College			
A.M. 1936, The George Washington University			
†Ferguson, Charity Fern (Jun. 46)	Tex.		
Ferguson, Richard Lee (Eng. 47)	D.C.		
†Festress, Elbert Howard (Univ.)	D.C.		
Ferguson, Earl Elwin (Eng. 85)	Iowa		



# Students Registered

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*Fischer, Paul Allen (Col., A.M.) A.B. 1934, The George Washington University	Va.	†Fletcher, Lloyd, Jr. (Law, LL.M.) B.B.A. 1936, University of Texas J.D. 1936, The George Washington University	Tex.
Fischer, Richard Henry (Med. I) B.S. 1930, The George Washington University	D.C.	Floustanty, Homer (Univ.)	Md.
Fischer, William Herbert (Jun. 88)	D.C.	†Floustanty, James Ralph (Univ.) A.B. 1937, The George Washington University	Tex.
†Fishbein, Gershon William (Jun. 24)	D.C.	Flora, Wesley (Col., A.M.) A.B. 1932, The George Washington University	D.C.
†Fishburn, Judith Marshall (Univ.) A.B. 1933, The George Washington University	D.C.	Flowers, Benjamin Alfred (Jun.) Floyd, Anna Ruppert (Jun.) Floyd, Anne Hicks (Jun.) Floyd, Charles Henry Bourke (Law III) A.B. 1938, The George Washington University	
†Fisher, Aaron (Univ.) B.S. 1937, College of the City of New York	N.Y.	†Floyd, Leonard (Jun. 13)	Fla.
Fisher, Bernard Ralph (Col. 78)	Iowa	†Floyd, Truman Geraldine (Col. 112)	D.C.
Fisher, Cleveland Herman (Col. 63)	Va.	†Floyd, Julian Jostus (Law II)	Ga.
Fisher, Daniel (Univ.)	W.Va.	†Fluckey, Kenneth Newton (Univ.) B.S. in Eng. 1937, Princeton University	D.C.
Fisher, Elise Rosina (Jun. 34)	D.C.	†Fluharty, Winford Day (Univ.)	Wash.
Fisher, Harriet Ann (Univ.)	Md.	Flynn, Eleanor C. (Law I) A.B. 1934, College of New Rochelle	N.Y.
Fisher, Hartwell Edwin (Jun.)	Ark.	†Foley, Dorothy Regina (Univ.)	Ohio
Fisher, Jerome L. (Law I)	Iowa	†Foley, Frances Rose (Univ.)	Mass.
†Fisher, Philip Morris (Jun.)	Va.	†Foley, James Herbert (Law III) A.B. 1935, College of Wooster	Tex.
†Fisher, Marion Smith (Jun. 24)	D.C.	†Folk, Charles Herr (Jun. 24 1/2)	Pa.
†Fisher, Mary (Univ.)	D.C.	†Follen, Francis F. (Univ.)	Va.
†Fisher, Sara (Jun. 18)	D.C.	†Follen, Vivian Kathleen (Univ.)	D.C.
†Fisher, Solomon (Law, LL.M.) A.B. 1936, LL.B. 1938, Columbia University	N.Y.	†Folse, Leonard Ray (Univ.) A.B. 1934, A.M. 1936, The George Washington University	La.
†Fiskin, Genevieve (Jun.)	D.C.	Folstein, Mortimer James (Med. II) A.B. 1938, A.M. 1939, The George Washington University	D.C.
Fishman, Bernard R. (Col. 91)	N.Y.	Foltz, Dear Sargent (Govt., A.M.) A.B. 1939, Pennsylvania State College	Pa.
Fishman, Sidney Stephan (Govt. 65 1/2)	N.Y.	†Foltz, Gavie Cecil (Univ.)	Calif.
Fitzgerald, James Spencer (Jun. 6)	Mich.	†Fondiller, Abraham (Col. 102)	N.Y.
Fitzgerald, Jeremiah Aloysius (Col., A.M.)	Conn.	†Fondiller, Allen (Eng.)	N.Y.
AB 1937, Middlebury College		Fondiller, Bernard (Col., A.M.) B.S. 1939, The George Washington University	N.Y.
Fitzgerald, John Pershing (Univ.)	D.C.	Fondt, Allen Ray (Jun. 18)	La.
Fitzgerald, Marie Kathleen (Univ.)	D.C.	Fondt, Abraham (Col., A.M.)	N.Y.
Fitzgerald, Richard Alfred (Law III) AB 1936, Western State Teachers College, Kalamazoo	Mich.	B.S. 1937, College of the City of New York	
Fitzgerald, Wilma Newman (Jun. 42)	Pa.	†Foster, Margaret Bennett (Govt., A.M.) A.B. 1939, The George Washington University	Md.
†Fitzhugh, Alice Elizabeth (Univ.)	Va.	†Foster, Marcus Peace (Med. II) A.B. 1937, The George Washington University	D.C.
†Fitzpatrick, Ernest Woodward (Jun.)	Maine	†Foster, Mary (Univ.)	
†Fitzpatrick, John Raymond (Jun. 42)	D.C.	†Foster, William (Law, A.M.) A.B. 1933, The George Washington University	D.C.
†Fitzpatrick, Mary Cletus (Univ.) B.S. 1928, A.M. 1930, University of Pennsylvania	Pa.	†Foster, William Everett (Law, Unl.) A.B. 1931, Agricultural and Mechanical College of Texas	
†Fitzpatrick, Michael John (Univ.)	D.C.	†Foster, William Everett (Law, Unl.) J.D. 1937, Loyola University	D.C.
Fiverson, Doris Edna (Col., A.M.) B.S. 1930, Madison College	Va.	†Foster, Anna Marianne (Jun. 24)	Mass.
†Flandres, Earl Frederick (Col. 66)	Iowa	†Foster, James Abraham (Jun. 26)	Tenn.
†Flann, Grace Lillian (Col., A.M.) A.B. 1929, The George Washington University	Md.		D.C.
†Flaherty, Margaret Agnes (Univ.)	D.C.		
†Flaherty, Walter Thomas (Med. IV)	N.Y.		
†Flanagan, Joseph Francis (Jun. 27)	Ohio		
Flattery, Matthew M. (Jun.)	N.Y.		
Flint, Jane Barbara (Col. 92)	Calif.		
Fleischman, Beatrice (Ed. 96)	D.C.		
Fleisher, Harry (Jun., Unl.)	Md.		
Fleisher, Victor (Eng.)	N.Y.		
†Fleisher, Vivian Virginia (Jun.)	D.C.		
†Fleming, Clarissa Walton (Univ.) A.M. 1931, Columbia University	Va.		
Fleming, Robert Wright (Univ.)	Md.		
Fleming, William Stuart (Law II and Unl.) A.B. 1937, University of the South	D.C.		
Fleming, William Wright (Col. 99)	Tenn.		
†Fleming, William Wright (Col. 99)	D.C.		
†Fleming, William Wright (Col. 99)	D.C.		

†Forster, Margaret Anne (Univ.)	D.C.	Fraser, Bernice G. (Univ.)	D.C.
Forsyth, James Howell, Jr. (Jun. 32)	Md.	A.B. 1921, Juniata College	
Fort, J. Carter (Law II)	D.C.	Fraser, George B. (Law, LL.M.)	D.C.
A.B. 1937, A.M. 1939, Vanderbilt University		A.B. 1936, Dartmouth College	
Fortney, Gordon (Law I)	Wis.	LL.B. 1939, Harvard University	
A.B. 1932, University of Wisconsin		Frawley, Margaret Lenora (Col. 60)	D.C.
Fortune, Amrah Hartsook (Jun.)	Va.	†Frazier, Ethel Marie (Jun.)	D.C.
Foscoe, Mary Cruse (Col. 78)	Ala.	†Frazier, Herman Mynter (Univ.)	D.C.
Foster, Allen Russell (Govt. 85)	D.C.	B.S. in E.E. 1922, Union College	
Foster, Charles Edward (Univ.)	Va.	†Frazier, Mary Sue (Univ.)	D.C.
†Foster, Earnest Frederick (Ed., A.M.)	D.C.	†Frederick, Vivian Dee (Jun. 16)	Va.
B.S. 1918, Wilson Teachers College		†Frederick, Robert Richard (Jun. 6)	D.C.
Foster, Henry Lockwood (Univ.)	D.C.	†Freebairn, Marian Jacobs (Univ.)	D.C.
LL.B. 1911, The George Washington University		A.B. 1924, University of Utah	
†Foster, John Samuel (Ed., A.M.)	Nebr.	†Freel, Helen Reiner (Univ.)	N.Y.
A.B. 1936, Pennsylvania State Teachers College		Freeman, Moses (Col., A.M.)	N.Y.
Foster, Robert William (Univ.; Ed., A.M.)	D.C.	B.S. 1939, The George Washington University	
B.S. 1939, Wilson Teachers College		Freeman, Selma (Col. 107)	D.C.
Foster, William Hecker (Univ.)	D.C.	Freehaver, Marian Elizabeth (Col. 101)	D.C.
†Fouché, James E. (Univ.)	Va.	Freeman, Mary Eleanor (Eng. 55)	Mo.
†Fowler, Sid William (Jun.)	Univ.	Freese, Clayton William (Jun.)	Va.
†Founts, Dorothy Marie (Jun. 12)	Nebr.	Freese, Morris (Jun. 15)	N.J.
Fowkes, Walter Woodruff (Univ.)	W. Va.	Freefeld, Hymen (Govt., A.M.)	
†Fowler, Harriett M.A. (Jun. 21)	Pa.	B.S.S. 1931, College of the City of New York	N.Y.
Fowler, James Aubert (Col. 90)	Md.	Freinkel, Leonard (Eng., Uncl.)	
Fowler, Joseph Gilbert (Jun.)	Va.	B.E.E. 1938, College of the City of New York	
†Fowler, Joseph Thomas (Univ.)	Va.	Freitag, Louise Vinson (Jun.)	Md.
Fowler, Lillian Clara (Jun. 56)	Fla.	French, Dorothy Grace (Univ.)	Va.
Fowler, Rebecca (Univ.)	Ga.	French, William Arthur (Jun.)	D.C.
B.S. in Ed. 1929, Georgia State College for Women		†Freter, Helen Scott (Jun.)	D.C.
†Fowler, Sherleigh (Col. 78½)	D.C.	Freidinger, Maurice (Col., A.M.)	Tex.
Fox, Bessie Estlin (Col., A.M.)	Va.	A.B. 1939, The George Washington University	
A.B. 1931, Hunter College		Freund, John McLanahan (Jun. 79½)	Mont.
Fox, Betty Lee (Univ.)	D.C.	Freybarger, Betty Jane (Univ.)	Va.
Fox, Hazel Frances (Col., A.M.)	D.C.	†Friant, Katherine Elizabeth (Univ.)	Mo.
A.B. 1931, Goucher College		A.B. 1938, Trinity College	
Fox, Helen (Ed., Ed.D.)	N.Y.	Friley, Joseph Alfred (Univ.)	Md.
A.B. 1937, A.M. 1939, The George Washington University		†Friedlander, Flora K. (Univ.)	N.Y.
Fracker, Alice Lorraine (Col. 92)	D.C.	†Friedlander, Harold (Grad., Ph.D.)	N.Y.
Frackin, William Stanley (Col., A.M.)	N.Y.	B.S. 1934, College of the City of New York	
B.S. 1934, College of the City of New York		A.M. 1939, The George Washington University	
†Frame, Melvin Lee (Univ.)	D.C.	Friedli, Hildreth Anita (Univ.)	D.C.
Francis, Harold Edmund (Col. 130)	Md.	Friedman, Edith Mollie (Jun.)	D.C.
Francisco, Wellington (Law II)	N.J.	Friedman, Julian Richard (Jun. 29)	N.Y.
A.B. 1933, Rutgers University		Friedman, Lenore Ruth (Jun. 16)	D.C.
†Frank, Lewis Sandler (Jun.)	N.C.	Friedman, Leo (Col. 82½)	N.Y.
Frank, Amy (Univ.)	D.C.	Friedman, Lillian (Ed. 118)	D.C.
Frank, Paul A. (Law II)	Ky.	Friedman, Mariel A. (Ed. 101)	N.Y.
B.S. in E.E. 1932, University of Louisville		†Friedman, Murray (Univ.)	D.C.
Frankel, Abraham (Univ.)	N.Y.	†Friedman, Anna Mary (Univ.)	N.Y.
B.S. 1916, New York University		Friend, Irwin (Col., A.M.)	
A.M. 1918, Columbia University		B.S. 1935, College of the City of New York	
Frankel, Theodore H. (Med II)	N.J.	†Frillman, Florian Louis (Univ.)	D.C.
A.B. 1938, The George Washington University		Frishie, John McDermott (Jun. 26)	Md.
Franklin, Florida Noel (Jun. 32)	D.C.	Frishy, Roy E. (Univ.)	
Franklin, John Ransom (Univ. and Law II)	Tenn.	B.S. in M.E. 1929, Colorado Agricultural College	Colo.
Franklin, Joseph Gardner (Jun. 27)	Md.	Frise, Mary Louise (Jun.)	D.C.
†Franklin, Lafayette, Jr. (Jun. 25)	D.C.	Friskoe, James Pear (Govt. 69)	N.Y.
Frankson, Joseph D. (Med II)	D.C.	†Fritz, David Seymour (Jun. 26)	Idaho
B.S. 1938, University of Maryland		†Froman, Robert Winslow (Col. 85)	Va.
Fraser, Andrew (Grad., Ph.D.)	D.C.	Fruehme, Barbara (Col. 89)	Tex.
B.S. 1924, St. Andrews University		†Frenabarger, Faye Marie (Univ.)	
A.M. 1916, The George Washington University		A.B. 1931, Baylor College	



# Students Registered

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†Frost, Janet Delavan (Univ.) A.B. 1930, Goucher College A.M. 1932, The George Washington University	D.C.	Gallup, Gladys (Ed., Ed.D.) B.S. 1918, Iowa State College A.M. 1937, The George Washington University	D.C.
†Fry, Dorothy Fern (Univ.)	Ill.	Galton, Anna H. (Jun.)	Oreg.
†Fry, Vivian Patricia (Univ.)	Okla.	†Galvin, William Gabriel (Grad., Ph.D.)	N.J.
†Frye, Edwin Pennell (Jun.)	Pa.	B.S. 1934, M.S. 1936, St. Peter's College	
Frye, William Neff (Law I)	W.Va.	Gamble, Frederick Arvon (Col. 94)	Tenn.
B.S. in M.E. 1930, The George Washington University		†Gamble, Kathleen Anne (Univ.)	N.C.
†Fryer, Thelma Elizabeth (Univ.)	D.C.	Gannon, James Eugene Fast (Law, LL.M.)	Mont.
A.B. 1933, The George Washington University		AB 1937, LL.B. 1938, The George Washington University	
AM 1930, Columbia University	D.C.	Gannon, William Howard (Govt. 119)	Va.
Fugitt, Charles H. (Col. 99)	D.C.	Gandy, Alexander Joseph, Jr. (Jun.)	D.C.
Fulton, Joseph Frank (Ed. 72)	Md.	†Ganter, David Herbert (Jun.)	Ohio
Fuller, Arthur Standes (Econ. 100)	Pa.	Garber, Elisabeth Mamma (Col., A.M.)	Pa.
Fuller, Andrew Estrella (Jun. So., Col.)	D.C.	A.B. 1930, Howard College	
Fuller, Bruce Kerner (Col., A.M.)		Garber, George (Ed. 98)	N.Y.
Fuller, Edwin Francis (Jun. 28)	Ill.	Gandy, Robert Carl (Jun. 36)	D.C.
†Fuller, Elizabeth Carter (Univ.)	Va.	Gandy, Robert (Univ.)	N.Mex.
A.B. 1939, Duke University		†Gardella, Margaret Mary (Univ.)	Wash.
†Fuller, Flora Cook (Law I)	D.C.	Gardner, Casper Steinmetz (Govt. 98)	Ky.
A.B. 1937, Radcliffe College		†Gardner, Charles Brent, Jr. (Univ.)	Tex.
Fuller, Russell Harrison (Univ.)	Va.	†Gardner, Dorothy Lucy (Univ.)	Tex.
†Fuller, Terry Fred (Law, Und.)	Ill.	Gardner, James Rue (Govt. 88)	Ala.
A.B. 1920, University of Illinois		Gardner, Jesse Rue (Jun. 52 1/2)	Okla.
M.B.A. 1931, New York University		†Gardner, Mary Frances (Univ.)	D.C.
Fulton, Charles E. Spencer (Law I and Govt., A.M.)	D.C.	†Gardner, Ramond Mercer (Jun. 69)	D.C.
Licence en Droit 1928, University of Paris Law School		Gardner, Virginia Mason (Univ.)	Va.
Graduate, Ecole des Sciences Politiques 1928, Paris		Gardner, Philip (Univ.)	N.Y.
Fulton, Leonard Alan (Jun. 37)	D.C.	B.S. 1927, College of the City of New York	
†Funk, Harry Jacob (Jun.)	Pa.	AB 1932, The George Washington University	
Furber, Mary Evelyn (Jun.)	Va.	Garlick, Robert Gordon (Jun. 85; Govt.)	Colo.
Furber, Leonard John (Law I)	D.C.	Garlick, Edward Allen (Jun. 56)	Md.
A.B. 1928, Fairmont State Teachers College		Garrison, David T. (Law I)	Oreg.
M.S. 1930, West Virginia University	Va.	B.S. 1934, University of Oregon	
Furcollow, Robert Edward (Law I)		Gartner, Eleanor Ruppelle (Ed., A.M.)	D.C.
B.S. 1937, Mount Union College		AB 1939, The George Washington University	
Furman, William Ames (Law III)	D.C.	Garnier, J. N. (Univ.)	Md.
B.S. 1931, Lehigh University		†Garnett, Julia Ryland (Univ.)	Va.
Furze, Francis Gregory (Jun.)	Pa.	B.S. 1936, University of Virginia	
Fusfield, Daniel Roland (Jun. 34)	D.C.	†Garnett, Mary Katherine (Jun. 16)	Tex.
Futrovsky, Sam (Med IV)	D.C.	†Garrison, Charles (Univ.)	S.C.
B.S. 1935, AM 1936, The George Washington University		†Garrison, William Frances (Univ.)	S.C.
		AB 1924, Washington College	
		Garttman, Stanley Charles (Univ.)	D.C.
		Gartrell, Everett Albert (Law III)	D.C.
		B.S. in L.L. 1934, Worcester Polytechnic Institute	
		†Gartzel, Dan L. (Univ.)	Kans.
		†Gartzel, Virginia Engel (Univ.)	Kans.
		†Gask, Arthur I. (Jun.)	Va.
		†Gaspard, Louis Eugene (Univ.)	D.C.
		Gasper, Elizabeth Delphine (Jun. 38 3/4)	D.C.
		Gaspere, Michael Rex, Jr. (Univ.)	N.C.
		†Gast, Eugene Marshall (Col. 111)	Mch.
		†Gast, Robert Lee (Govt. 76 1/2)	Colo.
		Gastman, Charles Clarence (Col. 102)	Pa.
		†Gates, Estelle Louise (Jun. 28)	D.C.
		†Gates, Louise Elaine (Univ.)	Wis.
		†Gault, Jayne Best (Jun. 16)	Ky.
		Gaudman, William Crawford (Jun. 100)	D.C.
		†Gaudner, William Kenneth (Univ.)	Fla.
		B.S. 1937, The George Washington University	
		†Gay, Pearl (Univ.)	N.C.
		†Gayles, Nick Joseph (Jun. 69)	Mont.
		†Gaynor, Evelyn Mae (Univ.)	W.Va.
		Geubhart, Ernest Theodore (Law II)	Va.
		AB 1936, University of Richmond	
†Gabriel, Walter Bernard (Univ.)	Pa.		
Gallney, Grace Josephine (Univ.)	Tex.		
†Gallen, Grace D. (Col. 79)	Pa.		
Gallen, Daniel Harvey (Eng. 69)	Calif.		
Galling, Herman William III (Eng.)	D.C.		
Gannes, Frank Wharton, Jr. (Law III)	Ala.		
AB 1935, University of the South			
Ganther, Ann Elizabeth (Ed. 82)	Md.		
Gale, Joe Bob (Jun. 52)	Okla.		
†Galen, Pauline Anne (Jun. 4)	Maine		
Gallagher, Edward Francis (Law I)	N.Y.		
B.S. 1924, United States Naval Academy			
Gallagher, Joseph Matthew (Jun.)	D.C.		
Gallett, Mary Rose (Jun.)	Ga.		
Gilson, Laura Carroll (Jun. 6)	D.C.		
†Gibbs, Albert Andrew (Col., A.M.)	Pa.		
AB 1934, Duke University			

G



Gee, Edwin Austin (Col. 72)	W. Va.	Gideon, Besse Leone (Jun.)	Nebr.
Gee, Merrill Kerr (Law III and Col. 91)		Giffen, Miriam Marcia (Univ.)	D.C.
*Gehan, Kathryn Yvonne (Col. 141)	Idaho	Giffen, Pauline (Univ.; Col. 65)	Calif.
Gelake, Ruth Elizabeth (Jun. 21)	Iowa	†Gilbert, Belle Laura (Col. 84 3/8)	Md.
†Geiger, Jason (Jun.)	D.C.	Gilbert, Gordon E. (Law I)	Ohio
Geller, Lilyan Merrill (Col. 88)	D.C.	B.S. 1939, Ohio University	
†Geller, Frances (Univ.)	N.Y.	Gilbert, Paul Edward (Jun. 6)	D.C.
B.S. 1938, Wilson Teachers College	D.C.	†Gilbert, Ralph Ury (Col. 119)	N.C.
Geller, Gertrude (Univ.)	D.C.	Gildenhorn, Myer (Law I)	N.Y.
Gelman, Melvin (Govt. 94)	D.C.	Giles, Alice Joan (Jun. 34)	D.C.
Gemunder, George Francis (Univ.)	N.Y.	Giles, Edward Gold (Jun. 28)	D.C.
Gendler, Herbert (Jun. 55; Col.)	D.C.	Gilham, Robert William (Jun. 25)	Ill.
†Gendry, Leonard Walter (Univ.)	N.Y.	Gilford, Norman Ambrose (Med. II)	Va.
Genger, Edward Paul (Univ.)	D.C.	Gilkey, Earle Will (Col. A.M. Univ.)	Wash.
Genna, Joseph (Jun.)	N.Y.	A.B. 1918, A.M. 1940, The George Washington University	D.C.
†Gentry, David Culver (Jun.)	Fla.	Gill, Flora Bernice (Jun. 45)	Wyo.
Gentry, Benedict Joseph (Col. 112; Univ.)	D.C.	†Gill, Frank J., Jr. (Univ.)	D.C.
A.B. 1949, The George Washington University		Gill, Jonathan Belding (Col. 503)	Wis.
Georhegan, Edgar Walter (Univ.)	Va.	†Gill, Norman Naham (Law, Uncl.)	
B.S. in C.E. 1934, Drexel Institute of Technology		Ph.B. 1942, University of Chicago	D.C.
George, Arthur Edward (Eng.)	Va.	†Gill, Peter Lawrence (Univ.)	D.C.
George, Joseph Marshall (Col. A.M.)	Pa.	†Gill, Robert Gordon (Jun. 73)	Mo.
A.B. 1937, Allegheny College		†Gill, Samuel Criswell (Law I)	
Geran, Robert Kinney (Jun. 30)	Ohio	B.S. 1915, University of Missouri	D.C.
Gerber, Albert Benjamin (Univ.; Govt., A.M.)	Pa.	Gillers, Henry (Univ.)	N.Y.
B.S. 1934, LL.B. 1937, University of Pennsylvania		Gillers, Katharine Mildred (Univ.)	Ill.
†Gerber, Bertha (Univ.)	D.C.	†Gillespie, Emma Carolyn (Jun. 41)	D.C.
†Gerber, Esther Marcella (Jun.)	D.C.	†Gillespie, Kenneth Gordon (Univ.)	
Gerber, Sylvan (Eng. 102)	Va.	B.E.E. 1922, Cornell University	Mo.
Ger, Donald William (Law I)	N.Mex.	†Gillham, James L. (Univ.)	D.C.
A.B. 1939, University of New Mexico		†Gillman, Eleanor Arnold (Jun. 62)	D.C.
Gerhard, Karl (Univ.)	Pa.	*Gills, Georgina Gweneth (Ed. 100 1/2)	Maine
B.S. 1917, St. Joseph's College		Gilman, William Henry (Col., A.M.)	D.C.
German, Chadwick Ambrose (Col. 92)	D.C.	A.B. 1933, Harvard University	
†Gerns, Irwin Ed. (Jun.)	D.C.	Gumble, Abraham (Jun.)	D.C.
Gershenson, Mary Belle (Jun.)	Mo.	Gunkas, Angele Marie (Col. 111; Univ.)	D.C.
†Gershon, Bernard (Jun. 30)	D.C.	A.B. 1940, The George Washington University	D.C.
Gerson, Leon (Jun. 1900)	D.C.	Ginsberg, George (Jun. 18)	Wash.
Gerstein, Charles (Pharm. 92)	D.C.	†Ginsel, Ivan Joseph (Jun. 24)	Germany
Gerstein, Nettle (Jun. 12)	D.C.	†Gitter, Lieba Lena (Univ.)	Md.
Gersten, Charles David (Jun.)	N.Y.	Gittings, Elizabeth Ann (Col. 64)	Mich.
Gersten, Maurice R. (Law II)	Conn.	†Gitzen, Francis B. (Jun. 29)	D.C.
A.B. 1948, The George Washington University		†GIVEN, Roland (Jun.)	Del.
Gertler, Morton (Law II)	D.C.	Glackin, Joseph Edward (Ed., A.M.)	N.Y.
B.S. in Eng. 1940, The George Washington University		B.S. 1939, Washington College	
†Gessford, Richard Leslie (Univ.)	Md.	B.S. 1939, The George Washington University	N.Y.
Gewirtz, Paul (Col., A.M.)	N.Y.	Glaser, Ezra (Univ.)	
B.S. 1941, Chem.E. 1934, College of the City of New York		B.S. 1944, New York University	Tenn.
†Giard, Louis Guerin (Univ.)	D.C.	A.M. 1917, Columbia University	Va.
†Giarratano, Salvatore F. (Jun. 12)	N.Y.	Glasscock, Clara Albene (Univ.)	Mass.
Gibbons, Robert deForest (Law II)	Mich.	Glassman, Jeanette Muller (Jun.)	
Gibbs, Andrew Harris (Ed., A.M.)	D.C.	Glassman, Lawrence (Law I)	
A.B. 1910, The George Washington University		B.S. 1928, M.S. 1930, Massachusetts Institute of Technology	D.C.
Gibbs, George Alister (Jun. 25)	D.C.	Gleason, Margaret Mary (Jun.)	Cal.
†Gibbs, Lambert Thomson (Univ.)	Va.	Glossner, Dorothy Mable (Jun. 6)	D.C.
B.S. in E.E. 1938, Virginia Polytechnic Institute		†Glover, Nancy Everett (Univ.)	D.C.
Gibbs, Robert Grant (Col., A.M.)	D.C.	†Glover, Nanda (Univ.)	Iowa
A.B. 1938, Clark University	Calif.	Groom, James Henry (Univ.)	D.C.
Gibeau, Charles John (Law III)		Godard, Jennor Clayton (Col., A.M.)	
B.S. 1914, University of California	Tes.	A.B. 1935, The George Washington University	Alaska
Gibson, Guy Morton (Eng. 1)	Calif.	†Goding, Maurice Wilfred (Law I)	D.C.
†Gibson, Mary Isabel (Col. 89)		A.B. 1933, Yankton College	
		Godman, John Robert (Univ.)	Tex.
		B.S. 1933, Oregon State College	D.C.
		†Goebel, Ann Katherine (Jun. 23)	
		Goff, John Clifford (Eng. 71)	

# Students Registered

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†Goff, Mary Louisa (Jun. 39)	N.J.	Gostlykoontz, William Francis (Law III)	W.Va.
Goff, Nancy A. (Jan. 1931 Govt.)	D.C.	A.B. 1934, The George Washington University	
†Gochen, Howard Warren (Ed. 101)	Pa.	Gould, Betty Darden (Jun. 36)	D.C.
Gold, Lewis (Jun.)	Va.	Gordon, Shepherd (Law I)	Fla.
†Gold, Theresa (Univ.)	N.J.	Gordon, Blaine Morton (Univ.)	N.Y.
Goldberg, Eugene Albert (Jun.)	D.C.	A.B. 1917, Princeton University	
Goldberg, Harvey (Jun.)	N.Y.	Gordon, Charles Lewis (Col. A.M.)	Mass.
Goldberg, Joseph (Law I)	N.Y.	B.S. 1919, The George Washington University	
A.B. 1934, Brooklyn College		Gordon, David (Jun. 18)	N.Y.
Goldberg, Monroe Bernard (Ed. A.M.)	D.C.	Gordon, David Edward (Jun.)	Kans.
Goldberg, Shirley (Univ.)	D.C.	Gordon, David Stuart (Jun. 51)	D.C.
University		†Gordon, Francis Gasthale (Jun. 64)	D.C.
Goldberg, Stanley (Jun. 61)	D.C.	†Gordon, Frank (Jun.)	D.C.
Goldberg, Pearl (Univ.)	D.C.	Gordon, Herman Lewis (Col. Und.)	N.Y.
Goldensohn, Eli Samuel (Med. IV)	N.J.	B.S. in Eng. 1915, College of the City of New York	
A.B. 1937, The George Washington University		†Gordon, Len (Jun. 24)	D.C.
Goldensohn, Sidney (Jun. 36)	N.J.	Gordon, Mary Groves (Jun. 38)	Ohio
†Goldfaden, Benjamin Paul (Ed. A.M.)	Md.	†Gordon, R. (Univ.)	N.Y.
B.S. 1917, The George Washington University		A.B. 1914, Brooklyn College	
†Goldfaden, Elizabeth Brandes (Ed. A.M.)	Md.	†Gordon, Ruth Ursula (Univ.)	Conn.
A.B. 1918, The George Washington University		†Gordon, W. R. (Univ.)	D.C.
†Goldheim, Ethel Irma (Jun.)	D.C.	†Goslin, Percy Harrison (Law II and Univ.)	Okl.
Goldman, Julius Louis (Eng. Und.)	D.C.	A.B. 1916, Phillips University	
B.S. 1915, University of Maryland		Gossell, Arthur Lewis (Eng. 29)	Md.
†Goldman, Mildred (Jun. 20)	D.C.	Gossell, Earl (Univ.)	D.C.
Goldman, Nathan (Univ.)	Ill.	†Gossell, Richard Joseph (Univ.)	Wis.
Goldman, Thomas Adler (Univ.)	D.C.	†Gossell, Vincent (Col. Und.)	D.C.
A.B. 1919, Howard College		M.D. 1929, The George Washington University	
Goldstein, Anna Lee (Univ.)	D.C.	Gottman, Marcus Peter (Med. IV)	D.C.
Goldstein, Herbert Hatzfeld (Med. I)	N.J.	A.B. 1928, The George Washington University	
A.B. 1920, University of Michigan		†Goucher, Regina (Univ.)	D.C.
Goldstein, Irving (Jun. 57)	N.Y.	†Gould, Gerald Elliott (Univ.)	D.C.
Goldstein, Jeanette Gertrude (Law III)	Va.	†Gould, Louis Leroy (Law I)	D.C.
B.S. 1915, Roanoke College		A.B. 1917, Kalamazoo College	
†Goldstein, Leon (Jun. 28)	D.C.	Goussow, Edwin F. (Col. 95)	Ill.
†Goldstein, Max Bernard (Univ.)	N.Y.	Graft, James Tipton (Jun. 27)	Mass.
Goldstein, Samuel P. (Jun. 28 1/2; Col.)	N.Y.	Graft, Thomas Treadwell (Jun. 58)	Cal.
Goldstein, William (Col. 64)	D.C.	Graham, Catherine (Jun. 36)	Ill.
†Golly, Melvin Asher, Jr. (Jun.)	Pa.	Graham, Elmer F. (Law I)	Ind.
Gillon, Frank Roschen (Law II)	N.Y.	Graham, James Deakins, Jr. (Law I)	Mont.
B.S. 1915, B.C.E. 1914, College of the City of New York		A.B. 1919, Cornell College	
Gulway, Everett Arthur (Law II)	Mass.	†Graham, Mary Henderson (Univ.)	D.C.
B.S. 1911, Boston University		A.B. 1915, Wadsworth College	
Gonzalez, Henry (Govt. 60)	Fla.	†Graham, Richard David (Jun. 18)	Pa.
Gonzalez, Irma Enaida (Govt. 84)	P.R.	Graz, George Richard (Med. II)	Ohio
Good, Edward Lerehan (Univ.)	D.C.	A.B. 1918, Ohio University	
†Good, Cordelia (Univ.)	D.C.	Gratberg, George M. Ree (Eng. Und.)	D.C.
†Gooder, Kenneth Edward (Univ.)	Kans.	B.S. 1924, United States Naval Academy	
†Goodman, Arthur (Jun.)	D.C.	LL.B. 1915, Georgetown University	
†Goodman, Augusta Straus (Univ.)	D.C.	†Graham, Earl Clayton (Jun. 54 1/2)	Mo.
A.B. 1918, Connecticut College for Women		†Gosse, Adèle Ruth (Jun. 21)	N.Y.
†Goodman, John (Univ.)	D.C.	†Gossett, Alfred P. (Univ.)	Cal.
B.S. 1915, Clemson College		Gossett, James Albert (Col. A.M.)	Mont.
A.B. 1916, Emory University		A.B. 1918, The George Washington University	
†Goodman, Robert Canipe (Univ.)	Va.	Grant, Walter Eldredge, Jr. (Univ.)	Utah
A.B. 1914, Dartmouth College		Graustan, Les Elmer (Govt. 94)	N.Dak.
LL.B. 1917, University of Virginia		Graustan, Ruth Eleanor (Jun. 36)	D.C.
Goodman, Rose Spain (Ed. A.M.)	Miss.	Graustan, Peter (Jun.)	Pa.
A.B. 1914, Mississippi State College for Women		Graw, Seymour (Univ.)	N.Y.
†Goodward, Allen (Jun.)	D.C.	†Graw, Hyman (Eng. 29)	N.Y.
Goodwin, Helen Barton (Ed. A.M.)	D.C.	Graves, E. Boyd (Ed. Ed.D.)	Va.
A.B. 1919, The George Washington University		A.B. 1912, A.M. 1915, College of William and Mary	
		Graves, Frances Alexander (Col. 97 1/2)	D.C.



†Graves, Frances Turner (Univ.)	D.C.	Griffin, Richard Philip (Col. 60)	Iowa
†Graves, Wilson Simeon (Univ.)	Wash.	†Griffin, Robert Francis (Univ.)	D.C.
Gray, Eleanor Doris (Jun.)	Pa.	Griffith, Grace Catherine (Univ.)	Mich.
Gray, George Alphonsio (Med. III)	Md.	A.B. 1916, The George Washington University	
Gray, Harry Clay (Jun. 27)	D.C.	Griffith, Kelley E. (Law II)	Va.
Gray, John Gordon (Jun. 21)	Conn.	Griffith, Lera Evelyn (Univ.)	Ky.
Grbowar, Stanley Joseph (Govt., A.M.)	Calif.	Griffith, Muriel Hope (Jun.)	D.C.
A.B. 1910, The George Washington University		†Griggs, James Young (Univ.)	N.C.
†Greaves, Rex E. (Univ.)	Utah	Griggs, Rosamund (Jun. 14)	Md.
Grebb, Catherine (Jun.)	Pa.	Grishby, James Robert (Eng. 20)	D.C.
†Griebler, Anne Marie (Univ.)	D.C.	†Gillis, Maurice William (Jun. 44)	D.C.
Greco, Philip T. (Govt. 93)	N.Y.	Grimes, Earl Leroy (Univ.)	Mass.
Green, Earl (Univ.)	Mo.	A.B. 1912, Mississippi College	
B.S. 1929, University of Missouri		Grimes, Lawrence Gerald (Univ.)	Va.
†Green, Edith E. (Jun. 1)	Ky.	Grimes, Robert Camp (Univ.)	Md.
Green, Elizabeth Ann (Col. 69)	N.Y.	Grissold, Estelle Tiebert (Univ.)	D.C.
Green, Harold E. (Univ.)	D.C.	Grissold, Maurice Mae (Univ.)	Okla.
†Green, Ivy Elaine (Univ.)	D.C.	Grudsky, Ben (Govt., A.M.)	Ill.
†Green, Lois O. (Jun.)	W.Va.	Ph.D., J.D. 1913, University of Chicago	
Green, Mary Evelyn (Univ.)	Ill.	Grudsky, Joseph (Col. 121; Univ.)	Ill.
†Green, Mildred (Univ.)	D.C.	B.S. 1919, The George Washington University	
A.B. 1929, A.M. 1935, The George Washington University		Grudsky, Peter (Jun. 79)	Ill.
Green, Naomi (Med. II)	Va.	Groetzinger, Robert Paul (Jun.)	Va.
Green, Nathan (Jun. 61)	D.C.	Grosman, Charles Henry (Jun. 83)	Pa.
†Green, Phillip Knapp (Jun.)	Md.	†Grooke, Robert Gustave Hermann (Univ.)	D.C.
Green, Richard Ester (Jun. 34)	D.C.	Groom, Allen Richardson (Eng. 15)	Ill.
Green, Samuel (Jan.)	Pa.	†Gross, Louis William (Jun.)	D.C.
Green, Wallace Wilson (Govt., A.M.)	N.Dak.	†Grossman, Sylvia (Col. 7624)	Md.
B.S. 1917, University of Kansas		Grosvener, Gloria (Jun. 68)	Va.
Green, William Stevenson (Law III)	Pa.	†Grossman, Susie Hazel (Ed. 7176)	Va.
A.B. 1911, A.M. 1912, Pennsylvania State College		Grove, Harold Edward (Jun. 31)	D.C.
Greenberg, Arnold Salovey (Med. II)	D.C.	†Groze, Shirley B. (Jun. 12)	W.Va.
†Greenberg, Benjamin (Col. 94)	Mass.	Grover, Margaret A. (Jun.)	D.C.
†Greenberg, Bernard (Univ.)	N.Y.	†Groves, Horace Alvin (Jun. 42)	Md.
†Greenberg, Faye (Col. 65)	D.C.	Groves, Quentin Durward (Univ.)	Univ.
†Greenberg, Leonard (Eng. 35)	D.C.	Grow, Stewart Lubron (Govt., A.M.)	
Greenberg, Miriam (Jun. 52)	Wis.	B.S. 1915, Brigham Young University	Neb.
Greenberg, Robert Milton (Med. III)	D.C.	Grober, Zdenka Irene (Univ.)	D.C.
A.B. 1917, The George Washington University		†Grienbaum, Lorele Margaret (Jun.)	
Greene, Arthur (Univ.)	D.C.	Grunwell, Charles Van Derwerken (Col. 98)	D.C.
†Greene, Joseph William (Jun.)	Pa.	Grusd, Elizabeth Franklin (Jun. 15)	D.C.
Greene, Samuel Nathan (Jun. 64)	N.Y.	†Guardia, Concepcion (Univ.)	Panama
Greene, William Joseph (Jun. 40)	Pa.	Gudmundson, Wayne Scott (Jun.)	D.C.
†Greenfield, Misses A. (Univ.)	N.Y.	Gulbus, Patricia Marjorie (Jun.)	D.C.
B.S. 1915, College of the City of New York		†Gullard, Elmer Robert (Univ.)	D.C.
M.S. 1917, New York University		Gullen, Guillermo (Univ.)	N.Y.
†Greenhouse, Bertram Jacques (Univ.)	Pa.	Gunn, Frank Milton (Univ.)	Va.
B.Arch. 1911, University of Pennsylvania		Gunn, Gladys Elizabeth (Ed., A.M.)	
†Greenman, Frank Pinole (Univ.)	Va.	A.B. 1917, The George Washington University	
†Greenman, Samuel I. (Col. 87)	N.Y.	Gunsap, James Edward (Jun.)	Ind.
Greenwald, Alfred Emanuel (Jun. 54)	N.J.	Gunsbeck, Ray Moxley (Univ.)	N.Y.
Greenway, Sybil Dorothy (Jun.)	D.C.	Guthrie, Don Ivor (Eng. 96)	D.C.
†Greenwood, Audley Herbert (Eng. 128)	D.C.	†Gutierrez, Lea Annette (Jun. 15)	D.C.
Greenwood, Walter Bart (Jun. 40)	N.Y.	Guzon, Virginia Ann (Jun.)	N.Y.
Greer, Dora Blake (Jun. 31)	Tenn.	Gussman, George (Col., A.M.)	
†Greer, John Thomas (Jun. 30)	D.C.	B.S. 1912, College of the City of New York	
Greer, Edward Burns (Law II)	N.Mex.	A.M. 1911, Columbia University	N.Y.
B.S. 1911, New Mexico State College		Gustavson, Z. Selma Maria (Univ.)	
†Greer, Jack N. (Govt. 81)	S.Dak.	A.B. 1919, The George Washington University	Ala.
Greer, Jean Manning (Law I)	Va.	†Guy, Ernest Paulk, Jr. (Univ.)	
Greer, Robert C. (Ed., Govt.)	Mex.	B.S. 1918, Alabama Polytechnic Institute	Ala.
Greer, Robert Gail (Col., A.M.)	Ohio		
A.B. 1915, Miami University			
Greenspan, Louis Anne (Jun. 51)	Md.		
Griffin, David Burton, Jr. (Univ.)	Tenn.		



# Students Registered

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Haapsala, Toini Selina (Univ.)	Mich.	Halpin, David Edward (Univ.)	D.C.
Haardt, Carl Joseph Morgan (Law I and Univ.)	Iowa	Hamberger, Muriel Jay (Jun. 29)	N.Y.
B.F.S. 1931, Georgetown University		Hambler, Helen Lois (Jun. 26)	D.C.
Hackstaff, Beatrice Angela (Jun.)	Md.	Hambler, Jack Arthur (Jun. 66)	Wis.
Hadley, William Horan (Law I)	Wash.	Hamburger, Margaret Stewart (Jun. 41)	D.C.
M.B.A. 1936, University of Washington		Hamer, Edward Ryan (Law III)	N.C.
Haden, James Thomas (Pharm. 95)	D.C.	A.B. 1911, University of North Carolina	
Hadro, Francis C. (Jun.)	Mass.	Hamilton, Arthur Little, Jr. (Univ.)	D.C.
Haelele, Donald James (Law II)	Ohio	A.B. 1928, Williams College	
B.S.E. 1933, University of Michigan		M.B.A. 1928, Harvard University	
M.S. 1934, Case School of Applied Science		Hamilton, Charles Ray (Jun.)	Va.
Haft, Herbert Herman (Pharm. 69)	D.C.	Hamilton, Faith (Jun.)	D.C.
Hagen, Arthur Chris (Law III)	Idaho	Hamilton, Harry Lee, Jr. (Univ.)	D.C.
B.S. in E.E. 1915, University of Idaho		A.B. 1939, St. John's College	
Hagerla, Loren Henry (Univ.)	Iowa	Hamilton, James Williams (Jun. 41)	Miss.
B.Arch. 1928, Washington University		Hamilton, Joseph Beaman (Jun. 29)	N.Y.
Hagerter, Joseph Aloysius (Jun. 51)	Cann.	Hamilton, Joseph Clark (Govt. 79)	Kans.
Haggett, Edward Grant, Jr. (Law II)	Maine	Hamilton, Louis Howard (Jun. 21)	Kans.
B.S. 1914, University of Maine		Hamilton, Muriel Louise (Jun. 61)	N.Y.
Haggett, Isabelle Barnes (Univ.)	Md.	Hamilton, Mary Janet (Col. A.M.)	Ind.
Haguet, Anne D. (Univ.)	Md.	A.B. 1928, Indiana University	
Haguer, John Louis (Col. A.M.)	Ark.	Hamilton, Walter T. (Univ.)	N.Y.
B.S. 1929, The George Washington University		B.S. 1916, College of the City of New York	
Hahn, Elizabeth Regina (Col. 95)	D.C.	Hamlet, D. Rue Ruby (Jun. 9)	Iowa
Hahn, Harold N. (Jun.)	D.C.	Hamon, Charles Sherman (Jun. 85; Govt.)	Mass.
Hamm, Joseph Ambrose (Univ.)	N.Y.	Hammer, M. Gad (Jun. Univ.)	D.C.
Hamm, Charles M. (Univ.)	D.C.	Hammer, William Alva (Univ.)	D.C.
Hamm, George Cyril (Univ.)	D.C.	Hammond, Caroline Ashby (Col. 93)	D.C.
Hamp, Vivian Katherine (Jun.)	Pa.	Hammond, Charles Edward (Univ.)	D.C.
Haldar, Robert Winter (Law I)	Va.	Hammond, Emma Virginia (Univ.)	D.C.
B.S. 1936, Columbia University	Wash.	Hammond, George Edwin (Jun. 6)	N.Y.
Hale, Teresa Vaughan (Col. 113)		Hammond, James Herbert (Govt., A.M.)	Ky.
Col. A.M.)		B.S. 1927, Bowling Green College of Commerce	
A.B. 1947, The George Washington University	D.C.	Hammond, Julian Bryan (Univ.)	S.C.
Hale, Wendell Bertrand (Eng. 17)	Md.	Hammond, Roy Barclay (Med. IV)	Utah
Haley, Eleanor I. (Jun. 14)	Nebr.	A.B. 1926, Brigham Young University	
Hall, Betty Anne (Jun. 27)	W.Va.	Hammond, William White (Jun. 32)	W.Va.
Hall, Carolyn Sara (Jun. 42)	Ill.	Hammer, Mary Caroline (Jun. 49)	Ark.
Hall, Clare Wilson (Col. 66)	Ill.	Hampson, Charles Edward (Law I)	D.C.
Hall, Dwight Francis (Jun. 32)	D.C.	A.B. 1917, University of Pittsburgh	
Hall, Ellis (Jun.)	Pa.	Hampton, Jane Elizabeth (Jun. 48)	D.C.
Hall, Fred Hubert (Law III)	Ga.	Hamsey, Joseph Francis (Jun. 1)	D.C.
Hall, Gordon Cutty (Med. IV)	Calif.	Hanson, John Gregory (Jun. 62)	Ohio
Hall, Grace Clayton (Col. A.M.)	Va.	Hammack, Glenna Mae (Jun. 32)	Maine
A.B. 1911, The George Washington University		Handford, Dorothy London (Jun. 59; Col.)	Del.
Hall, Harlan Taylor (Univ.)	D.C.	Handran, Howard Paneratus (Eng. 13)	D.C.
Hall, James Merrick (Col. A.M.)	D.C.	Handran, Llewellyn Joseph (Eng. 3)	D.C.
A.B. 1918, The George Washington University		Hanes, Mary Margaret (Univ.)	D.C.
Hall, Marion DeFries (Ed., A.M.)	D.C.	Handford, Barbara Lee (Jun. 32)	Va.
A.B. 1941, The George Washington University		Harker, Raymond George (Univ.)	D.C.
Hall, Pauline Allen (Univ.)	D.C.	B.S. 1928, The George Washington University	
Hall, Theodore Lausty (Eng. 70)	D.C.	Harkes, Marion M. (Jun.)	D.C.
Hall, Wilfred E. (Univ.)	Ga.	Harkins, Orville Goshier (Univ.)	D.C.
M.D. 1928, Washington University	Ill.	B.S. 1914, University of Illinois	
Hall, William R. (Univ.)	Md.	Hark, Clement (Univ.)	Ment.
Hallam, Henry Charles I. (Col. 89)	D.C.	A.B. 1917, The George Washington University	
Hallberg, Ernest Van (Jun. 32)	D.C.	Hanley, Donald Bartholomew (Jun. 75)	W.Va.
Haller, Alida Betty (Col. A.M.)	Md.	Hana, George Edward (Jun. 59)	Kans.
A.B. 1939, Hood College	Pa.	Hansen, Loretta (Univ.)	D.C.
Halluska, William John (Eng. 1034)		A.B. A.M. 1934, The George Washington University	
		Hansen, Mildred Ames (Univ.)	D.C.
		A.B. 1924, The George Washington University	

Hanscom, Fred Robert (Col. 87)	Maine	Harris, Lucy Amil (Law I)	N.Y.
Hansen, Carl (Jun. 9)	Nebr.	A.B. 1928, Rollins College	
Hansen, Lawrence Lee (Col. 92 3/4)	Utah	†Harris, Miles Fitzgerald (Jun. 18 3/4)	D.C.
Hansen, Margit (Col., A.M.)	Alaska	†Harris, Ray (Univ.)	D.C.
A.B. 1930, University of Idaho		Harris, Robert Bowers (Jun. 18)	Va.
†Hansen, Paul Anthony (Jun.)	Wash.	Harris, Thomas Hubbard (Col., A.M.)	Mass.
†Hansen, Ted. L. (Col., Uncl.)	Ariz.	B.S. 1937, The George Washington University	
A.B. 1932, Arizona State Teachers College		†Harris, Wendell V. (Col. 71)	Fla.
Hanson, Clara Amelia (L.S. 94)	Kans.	†Harrison, Bernard (Ed., A.M.)	D.C.
†Hara, Tamenori (Univ.)	D.C.	B.S. 1938, Wilson Teachers College	
Harbaugh, Eva Luella (Ed., A.M.)	Md.	Harrison, Cecil Ray (Law II)	Ark.
A.B. 1911, The George Washington University		†Harrison, Edna Irene (Jun. 9)	Mo.
Harbour, James West (Univ.)	S.C.	Harrison, Edwin Davies (Univ.)	D.C.
†Hardell, Nellie Griffith (Univ.)	D.C.	B.S. 1930, United States Naval Academy	
B.S. 1937, University of Maryland		Harrison, Harold Steele (Law I)	Calif.
†Harden, Barbara Bentley (Ed., A.M.)	Wis.	Harrison, James Robert (Univ.)	Ill.
A.B. 1933, Northland College		†Harrison, John Arthur (Jun.)	Iowa
Hardester, John Sylvester, Jr. (Univ.)	D.C.	Harrison, John Conway (Law III)	Mass.
Hardie, Carolyn Frances (Univ.)	Va.	Harrison, Joseph Owens, Jr. (Col. 112)	D.C.
Harding, Dorothy Fay (Jun. 12)	Kans.	Harrison, Julius Henry (Univ.)	D.C.
Harding, Marian G. (Jun.)	D.C.	Harrison, Lloyd Branton, Jr. (Jun. 30)	D.C.
†Hardis, Leonard (Eng., Uncl.)	N.Y.	Harrison, Sophronia Jayne (Univ.)	Md.
B.S. in M.E. 1938, Carnegie Institute of Technology		Harrison, William Hallis (Univ.)	Ark.
Hards, William Hendrick (Med. I)	Wash.	Harris, Clifford Graham (Jun. 35)	D.C.
B.S. 1939, University of Washington		†Harris, Marie K. (Jun.)	N.C.
Harden, Walter Abin (Law, Uncl.)	Ala.	†Hart, Helen Elizabeth (Col., A.M.)	D.C.
†Hare, Henry Byrnes (Jun.)	S.C.	B.S. 1938, Catholic University of America	
Hare, Roberta Lillian (Univ.)	Mo.	†Hart, Iva June (Jun. 19)	D.C.
B.M.E. 1936, Northwestern University		†Hart, Marjorie Spratt (Jun.)	Iowa
†Hargett, Oscar Sargent (Col., A.M.)	Ala.	Hartigan, James Walter (Univ.)	
A.B. 1938, Birmingham Southern College		B.S. 1938, Creighton University	D.C.
Hargett, William Oliver (Jun. 58)	Ala.	†Hartley, Dorothy Violet (Jun. 57)	Md.
Hargy, Francis Robert (Govt. 67)	Md.	Hartman, Joseph Anthony (Eng. 127)	Md.
Harlan, Marjorie Elizabeth (Jun. 12)	Md.	Hartman, Stephen Jennings (Univ.)	Iowa
Harlow, Helen Isabelle (Univ.)	Wis.	Hartman, William Sullivan (Col. 89)	D.C.
†Harman, Van William (Jun.)	Va.	Hartmann, George W. (Eng. 69)	Tenn.
Harmon, Elmer Winfred (Law II)	Mass.	†Hartson, Julia May (Univ.)	D.C.
B.S. 1930, M.S. 1931, Massachusetts Institute of Technology		†Hartsock, Frederick Burgess (Jun.)	Reg.
Harmon, Robert Luther (Law I)	Utah	†Hartson, Mary P. (Jun.)	D.C.
Harmon, William Bosomworth (Jun. 21)	D.C.	†Hartson, Norair (Jun.)	Calif.
Harness, Charles Leonard (Jun. 74)	Tex.	Hartwell, Bruce Frederick (Med. III)	
Hynes, Nell White (Law I)	Tex.	A.B. 1918, American University	Pa.
A.B. 1937, Texas Christian University		Hartzler, Eva Ruth (Univ.)	
†Harnsberger, William Robert (Univ.)	Md.	B.S. 1932, Juniata College	
Hasper, John Alexander, Jr. (Univ.)	D.C.	M.S. 1931, Pennsylvania State College	
Harrington, Dayton M. (Law I)	Iowa	†Hartzler, Lois I. (Jun. 28)	Kans.
B.S. 1939, University of Iowa		†Harwood, Adeline (Ed., A.M.)	Ariz.
†Harrington, John Vincent (Jun.)	D.C.	A.B. 1917, Arizona State Teachers College, Tempe	
Harrington, Lillian E. (Jun.)	Pa.	Harwood, Ronald James (Ed., A.M.; Govt., A.M.)	D.C.
Harris, Bertha Florence (Ed. 66)	D.C.	A.B. 1917, Arizona State Teachers College	
†Harris, Bessie M. (Jun. 18 3/4)	Tex.	Hoch, Charles Leaphart (Jun.)	Mont.
Harris, Constance Helen (Jun.)	D.C.	†Hodg, Charles Leaphart (Jun.)	N.Y.
Harris, Cornelia Francis (Jun. 25)	N.Y.	†Hodg, Charles Leaphart (Jun.)	
Harris, Everett Grant (Jun. 35)	Va.	B.S. in Chem.E. 1937, Cooper Union	D.C.
Harris, Freda Lucille (Ed., A.M.)	D.C.	†Hodg, John Petrie (Jun. 27)	D.C.
A.B. 1929, The George Washington University		Hodg, Thomas Latham (Eng. 44)	W.Va.
Harris, Gean Westlake (Col. 98)	D.C.	Hodg, Viola May (Jun. 12)	D.C.
Harris, Jerome Joseph (Law III)	D.C.	Hodg, Charlotte Marie (Univ.)	Md.
A.B. 1936, The George Washington University		Hodg, Ann Clark (Jun.)	N.C.
Harris, Lester Friedrich (Jun.)	D.C.	†Hodg, Frank S., Jr. (Jun. 24)	
Harris, Lois Elizabeth (Law II)	Iowa	†Hodg, Mary Evelyn (Col., A.M.)	D.C.
A.B. 1937, Drake University		A.B. 1911, Lynchburg College	D.C.
Harris, Louise (Jun. 51)	Okla.	Hodg, Warren (Univ.)	N.Met.
		†Hodg, Marsha Naomi (Univ.)	Va.
		†Hodg, Walter Julian (Univ.)	D.C.
		Hatfield, Norma Sherrod (Col. 104)	



# Students Registered

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†Hathaway, Caleb Richard (Univ.) A.B. 1916, University of Maryland	Md.	†Hechmer, Marie Antoinette D. (Col. 102)	W.Va.
†Harke, Margaret Elizabeth (Jun. 58)	D.C.	LL.B. 1921, The George Washington University	
†Hatten, Charles Augustus (Jun. 41)	D.C.	Hecht, Arthur (Ed. 66)	Wis.
†Haughey, Evelyn Elizabeth (Univ.)	D.C.	Hecht, William (Jun. 18)	N.Y.
†Hausehuck, Donald William (Jun.)	Mass.	Hecker, Edwin (Law I)	N.Y.
†Hauser, Bernard (Jun. 18)	Pa.	B.S. 1915, College of the City of New York	
†Hauser, Edward John (Univ.)	D.C.	Heers, William Henry (Law I)	Wash.
†Hauknecht, Ephraim (Govt. 127)	Ill.	A.B. 1920, Whitman College	
†Haves, Florence Charlotte (Col. 65)	N.Y.	A.B. 1917, The George Washington University	
†Haviland, Bruce Bowen (Jun. 24)	D.C.	Heffner, Harold Van Weert (Univ.)	Md.
†Hawken, Mary Mitchell (Univ.)	N.Y.	Heffron, Harold Stephen (Jun. 16)	D.C.
†Hawkins, Chadwell Kinnaird (Jun.)	Va.	†Hefferty, Bartholomew Joseph, Jr. (Col. A.M.)	Mass.
†Hawkins, George Allen (Univ.) A.B. 1918, West Virginia University	D.C.	A.B. 1919, Boston College	
†Hawkins, Kate Holt (Univ.)	Va.	†Hefferty, Helen Lee (Univ.)	D.C.
†Hawthorne, Thelda Mae (Univ.)	D.C.	A.B. 1918, University of Kentucky	
Hawthorne, Maxie Fannie (Jun. 21)	Utah	Hefferty, Herbert Francis (Jun.)	Mass.
Hawthorne, Richard Carlton (Univ.)	Va.	Heise, Edwin Collins (Col. 84)	D.C.
Hawthorne, Richard Glenn (Govt. 60)	Ga.	Heier, Harold Scudder (Univ., Ed. Ed.D.)	Va.
Hawthorne, William C. (Jun. 20)	Ga.	B.S. 1925, Kentucky Wesleyan Col- lege	
†Hay, Sydney William (Jun.)	Mass.	A.M. 1928, The George Washington University	
†Haycraft, Glenn Goodwin (Col. 198)	Minn.	Heiges, Harold Lynwood (Med. IV)	Pa.
Hayden, Byron R. (Jun. 75)	Oreg.	A.B. 1927, The George Washington University	
Hayden, George Henry (Jun.)	D.C.	†Heimbarger, Ray Adelbert (Jun. 46)	Ohio
†Haydon, Luella Katharine (Jun.)	D.C.	†Heim, John H. (Univ.)	D.C.
Hayes, Dean Maeser (Med. IV)	D.C.	B.S. 1921, Kenyon College	
Hayes, Douglass Ridgely (Jun. 51)	Utah	Heindl, Raymond August (Jun. 16)	D.C.
Hayes, Lloyd Donald (Jun. 29)	Va.	Heinecke, Leonard Frank (Univ.)	D.C.
Hayes, Oliver Walcott (Law II)	Okla.	Heineman, Thelma Sally (Jun. 12)	W.Va.
†Hayes, Ruth Gilbert (Univ.)	Md.	†Heise, Ruth Frances (Jun. 98)	D.C.
†Hayes, Ruth Gilbert (Univ.)	Md.	†Heiss, Nelma Catherine (Univ.)	D.C.
A.M. 1927, National Catholic School of Social Service		†Helfgott, Jay Leon (Med. II)	Md.
†Haynes, Chester St. George (Jun. 24)	D.C.	B.S. 1917, University of Maryland	
†Haynes, John Lennex (Law III)	D.C.	Heller, Sidney (Govt., A.M., Univ.)	N.Y.
B.S. in C.E. 1910, The George Washington University		A.B. 1912, College of the City of New York	
†Haynes, Walter Edward (Eng.)	Va.	†Helleman, Mary (Jun.)	D.C.
†Haynes, Mary Esther (Univ.)	N.C.	Hellmigel, Charles Knox, Jr. (Govt., A.M.)	N.Y.
A.B. 1920, University of North Carolina		A.B. 1918, Wagner Memorial Lutheran College	
A.M. 1920, The George Washington University		†Helm, Grace Stevens (Univ.)	D.C.
†Haynie, Lloyd Graham (Jun. 40)	Va.	†Helm, William Thomas (Jun.)	D.C.
Hayes, Roland (Jun.)	D.C.	Helm, John David (Col. 151)	N.Dak.
Hayes, Jack Newton, Jr. (Law I)	Okla.	Hemba, Alton (Col. 98)	Mass.
A.B. 1918, University of Tulsa		†Henderson, Esther Louise (Univ.)	D.C.
†Hass, Raymond LeRoy (Jun.)	D.C.	†Henderson, Louise Matilda (Univ.)	D.C.
†Hazard, John Paul (Jun. 74)	Maric.	A.B. 1920, Columbia University	
†Hazard, Edith Wagstaff (Univ.)	Md.	A.M. 1921, University of Virginia	
B.S. 1917, University of Maryland		Henderson, Ray Roger (Chas. 88)	S.C.
†Hazel, Audrey Veronica (Univ.)	D.C.	Henderson, Neal Satorine (Jun.)	N.I.
A.B. 1920, The George Washington University		Henderson, Allen Erwin (Med. II)	D.C.
Head, James Felton (Law I)	N.C.	B.S. 1928, University of Maryland	
†Head, Louis Cary (Univ.)	D.C.	Hennrich, Gerald Chas. Jr. (Jun.)	D.C.
Head, Delight (Jun. 10855)	D.C.	Hennrich, Frank Burruss (Col. 96)	N.I.
Head, Arthur (Col. 97)	D.C.	†Henry, Dolores Juana (Jun.)	D.C.
Head, Ernest Alfred (Ed., A.M.)	Conn.	Henry, Earl Oliver, Jr. (Jun.)	D.C.
A.B. 1915, The George Washington University	Va.	Henry, George Robert (Law I)	Ind.
Head, Patrick Boyle (Jun.)	Ind.	A.B. 1921, The George Washington University	
Head, Rita Teresa (Col. 60)	Md.	Henry, Glenn Cameron (Univ.)	Mont.
†Head, Joseph Andrew (Jun.)	D.C.	†Henry, Homer Huxley (Jun.)	Ill.
Head, William Lee (Jun.)	Wyn.	Henry, Patrick William (Jun. 48)	Mo.
Heard, Oliver William, Jr. (Jun. 5)	D.C.	Henry, Paul LeRoy (Law I)	Idaho
†Hebb, Malcolm Raymond (Jun.)	D.C.	B.S. 1928, University of Utah	



- Henshall, Mary Bramell (Univ.) D.C.  
†Hepburn, Lyon Lee (Univ.) S.C.  
‡Heplar, Joseph Quincy (Univ.) N.Y.  
A.B. 1938, Brooklyn College  
Hermach, Francis Leurs (Eng. 51) Ill.  
Herman, Melbert Hart (Jan.) Mass.  
Hermanson, Alice G. (Jun.) Minn.  
Hess, George Landis (Jan. 6) Pa.  
Herrick, John Francis (Univ.) Minn.  
Herrick, Joseph Francis, Jr. (Jun. 48) Wis.  
Herrick, Lucile Mary (Ed., Ed.D.) Minn.  
B.S. 1924, University of Minnesota  
A.M. 1928, The George Washington University  
Herring, Robert Alexander, Jr. (Univ.) N.C.  
B.S. 1916, M.S. 1938, Georgetown University  
†Herschfeld, Aaron (Univ.) N.Y.  
B.S. 1912, College of the City of New York  
A.M. 1914, Columbia University  
Hershberger, Glen (Univ.) Ill.  
A.B. 1923, Goshen College  
Hershey, Kathryn Elizabeth (Jun. 32) D.C.  
Herzenberg, Toba Schloss (Col. 102) D.C.  
Hertzmark, Sam Sidney (Law I) N.Mex.  
A.B. 1919, University of New Mexico  
Hertz, Florence (Jun. 65) N.Y.  
†Heslet, Mary Ronda (Jun. 71) D.C.  
†Hess, Frederick William (Law I) W.Va.  
A.B. 1919, West Virginia University  
Hess, Suzanne (Jun. 1) Univ.  
Hess, Walter Eugene (Ed., Ed.D.) Pa.  
A.B. 1924, Gettysburg College  
A.M. 1931, University of Wisconsin  
Hetrack, John Murray (Univ.) Pa.  
B.S. 1929, Gettysburg College  
A.B. 1932, The George Washington University  
Hewes, Laurence Halsey, Jr. (Grad., Ph.D.) Calif.  
B.S. 1924, Dartmouth College  
Hewlett, L. H. Pierce, Jr. (Jun. 72) Tenn.  
†Hewyer, Blanche Eleanor (Jun.) D.C.  
Hewyer, Katherine Theresa (Univ.) D.C.  
†Heywood, Virginia Bell (Univ.) D.C.  
Heywood, Reid (Jun.) D.C.  
Hiatt, Dorothy Anna (Col. 78) Kans.  
Hunt, John Edgar (Jun. 92) Ind.  
Hickerson, Ella Mason (Jun. 54) Md.  
Hickey, Anne Lee (Jun.) D.C.  
Hickley, Thomas James (Univ.) D.C.  
Hickman, Eleanor Patricia (Jun. 27) Fla.  
Hickman, Therval L. (Mpd. III) Utah  
B.S. 1934, Utah State Agricultural College  
†Hicks, Erma Opal (Jun. 3) Okla.  
Hicks, John Ralston (Jun. 74) Ariz.  
Hicks, Louis Edward (Jun. 19) Md.  
†Hicks, Myrtle Landford (Univ.) Va.  
Hicks, Rosalind Hunter (Jun. 29) Va.  
Hickson, Robbins Godfrey (Eng. 4) S.C.  
†Hildebrand, Harriett Elizabeth (Univ.) D.C.  
Hilder, Peter Froot (Law III) D.C.  
Hildebrand, Harriett Elizabeth (Univ.) D.C.  
B.S. 1939, Indiana University  
Hilder, Fraser Froot (Law III) D.C.  
A.B. 1934, University of Michigan  
Hilder, Peter Froot (Law III) D.C.  
B.S. in C.E. 1936, University of Maryland  
†Hileman, Elmer Richards (Univ.) D.C.  
‡Hill, Clark Daniel (Univ.) D.C.  
B.S. 1938, Wilson Teachers College  
Hill, Dorothy Jeanne (Law I) Ind.  
B.S. 1922, B.S. in L.S. 1914, M.S. 1917, University of Illinois  
Hill, Elizabeth Harman (Jun. 61) D.C.  
†Hill, Elizabeth Marie (Col., A.M.) Mich.  
A.B. 1940, The George Washington University  
Hill, Frances Burnette (Jun. 31) Ohio  
Hill, Gretchen (Govt. 86) Md.  
Hill, John Robert (Law III) Ill.  
Hill, Keary LeMoine (Jun. 34) Va.  
†Hill, Lawrence (Col., A.M.) Conn.  
A.B. 1934, Yale University  
‡Hill, Lucile B. (Jun.) D.C.  
‡Hill, Mary Ellen (Univ.) D.C.  
Hill, Pati Guion (Jun.) Va.  
Hill, Paul Edward (Univ.) Ill.  
Hill, Robert Arthur (Law II) D.C.  
B.S. 1934, University of Maine  
M.S. 1935, Massachusetts Institute of Technology  
Hill, Robert L. (Law III) Ohio  
B.S. 1930, University of Nebraska  
Hill, Samuel Billingsley (Law I) D.C.  
A.B. 1937, Williams College  
Hilliard, Betty Ann (Univ.) Tex.  
Hillman, Arnold (Jun. 60) N.Y.  
†Hillman, Edward (Univ.) N.Y.  
B.E.E., M.E.E. 1936, College of the City of New York  
Hillman, Franklin Powell (Govt., A.M.) Va.  
A.B. 1936, Emory and Henry College  
†Hillman, Gwendolyn Francis (Jun. 6) N.Y.  
Hilworth, Jerry L. (Col. 67) D.C.  
Himmelfarb, Norma (Col. 65) D.C.  
Himmelfarb, Louis (Jun.) D.C.  
Himmelfarb, Mildred (Col. 94) N.Y.  
Hinden, Fannie Irene (Univ.) Md.  
Hindle, James (Univ.) Ind.  
Hines, Edward Thomas (Univ.) W.Va.  
†Hines, Vance Victor (Jun.) Nebr.  
‡Hirsch, Irene Ruth (Univ.) Va.  
†Hirsh, Joseph M. (Univ.)  
B.S. 1917, College of the City of New York  
A.M. 1930, Columbia University  
Hirschfeld, Martin Abraham (Col., A.M.) N.Y.  
B.S. 1916, College of the City of New York  
Hixey, James Wilson (Univ.) D.C.  
Hite, Elizabeth Margaret (Col. 83) D.C.  
†Hively, Sally Margaret (Jun. 1) Va.  
Hoadley, Frank Taberner (Univ.) Md.  
A.B. 1916, American University  
A.M. 1918, University of Maryland  
†Hoban, Albert Joseph (Univ.) R.I.  
A.B. 1912, Providence College  
I.L.B. 1916, Harvard University  
†Hobbes, Alan Buxton (Law I) Fla.  
A.B. 1919, Washington and Lee University

# Students Registered

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†Hobbie, Dorothy Marie (Univ.)	Kana.	Hollander, Milton Henry (Med. I)	N.J.
†Hobbs, Alfred John (Univ.)	D.C.	A.B. 1939, New York University	
†Hobbs, Elbert Clifton (Jun.)	N.C.	†Holler, Orville Otis (Univ.)	Va.
†Hobbs, Emmett Lee (Univ.)	N.C.	A.B. 1935, Bowdoin College	
B.S. in M.E. 1933, University of Tennessee		Holley, Linda Dobbins (Ed., A.M.)	D.C.
†Hobbs, Frederick Thomas (Law I)	N.C.	B.S. 1937, The George Washington University	
A.B. 1939, Duke University		Holliday, Donald Vann (Univ.)	N.C.
Hobbs, James Arthur (Law I)	Ga.	B.S. 1929, Wake Forest College	
Hobbs, Robert Boyd (Law II)	D.C.	Hollingsworth, David Wills, Jr. (Col., A.M.)	Ala.
A.B. 1935, The George Washington University		A.B. 1934, Davidson College	
Hobbs, Sam Earle (Govt., A.M.)	Ala.	Hollingsworth, Samuel S. (Law III)	D.C.
A.B. 1939, University of North Carolina		†Hollis, Joseph Berk (Univ.)	D.C.
†Hobbs, William Bradford (Jun.)	D.C.	†Hollman, Margaret Anna (Ed. 95)	D.C.
Herman, Joel Bernard (Med. I)	Mass.	Holloway, Charles Washington (Col., A.M.) (Univ.)	Calif.
†Hobbs, Katherine G. (Jun. 19)	D.C.	B.S. 1936, University of California	
Hodge, Barbara Anne (Jun. 28)	D.C.	A.M. 1940, The George Washington University	
Hodge, Verna Louise (Jun. 22)	Ala.	†Holloway, John James (Univ.)	D.C.
Hodges, Louis Ogle, Jr. (Univ.)	Md.	Holloway, Lawrence Marshall (Jun.)	Md.
LL.B. 1933, The George Washington University		Holloway, O. Wanda (Law I)	N.Y.
†Hodges, Syd Falcener (Univ.)	D.C.	A.B. 1939, The George Washington University	
Hodkins, George Wilson (Grad., Ph.D.)	D.C.	Holloway, William Andrew (Col. 76)	Okl.
A.B. 1935, A.M. 1936, The George Washington University		Holm, Helen Marie (Univ. 93)	D.C.
†Hodkins, Wilson Howard (Jun.)	Ill.	Holmes, Clyde Everett (Med. I)	D.C.
†Hodkinson, Austin David (Jun. 6)	D.C.	B.S. 1933, University of Washington	
Hodson, Alfred S. (Ed., A.M.)	Md.	†Holmes, Howard Charles (Law 46)	D.C.
A.B. 1934, Washington College		†Holmes, Louis A. (Ed. A.M.)	D.C.
†Hodson, Elizabeth M. (Univ.)	D.C.	A.B. 1928, University of Nebraska	
Hobak, Nicholas (Univ.)	Mich.	LL.B. 1933, The George Washington University	
†Hoffer, Wilson Lee (Eng.)	Pa.	Holmes, Patricia B. (Jun.)	Mont.
Hofman, Arthur Daniel (Jun.)	Ind.	Holmes, Robert St. Clair (Law III)	D.C.
Hofman, Charles Edgar (Jun. 12)	D.C.	A.B. 1923, Sweetbriar College	
Hofman, Ethel Pauline (Ed. 79)	D.C.	A.M. 1927, University of Pennsylvania	
Hofman, Evelyn Irene (Col. 69)	Ill.	Ph.D. 1932, Princeton University	
Hofman, Irving (Jun. 27)	N.Y.	Holmes, Thomas James (Ed., Ed.D.)	Md.
†Hofman, Miriam Richards (Univ.)	Md.	B.S. 1924, University of Maryland	
A.B. 1925, The George Washington University		M.S. 1926, The George Washington University	
†Hoffman, Norman (Jun. 20)	D.C.	Holmes, Wendell Alexander (Law I)	D.C.
†Hoffman, Joseph Francis (Univ.)	D.C.	A.B. 1938, State University of Iowa	
Hoffmann, Matthias M. (Jun.)	Iowa	Holmes, Louis Maria (Univ.)	Ill.
Hoge, Charles Courtenay II (Jun. 6)	S.C.	Holmes, Adele (Graduate) (Univ.)	D.C.
†Hoguet, Chester Albert (Col., A.M.)	Va.	Holmer, Melvin Charles (Col. 194)	D.C.
Hoguer, Philip Allison (Jun.)	Va.	Holmquist, Vincent Charles (Ed., A.M.)	Md.
Hohberger, Ruth (Jun. 64; Col.)	D.C.	B.S. 1936, Columbia University	
Hohay, Helen Anne (Jun.)	Md.	†Holmquist, William Luther (Law 61)	N.C.
Hohday, Allan Gibson (Grad., Ph.D.)	Ind.	B.S. 1933, Davidson College	
A.M. 1939, Cornell University		Holsten, Benjamin M. (Col. 76)	Wis.
Holben, Raymond Clifford (Jun.)	D.C.	LL.B. 1936, Georgetown University	
Holbrook, Richard David (Col. 71)	D.C.	†Holt, Everett Alfred (Govt. 61)	Wash.
Holcomb, Frederick M. (Eng. 38)	D.C.	Honoller, Norman Clayton (Jun.)	Md.
Holcomb, Marshall Maxnard (Law II)	D.C.	Honabach, Elmer W. (Univ.)	Va.
B.S. 1926, Massachusetts Institute of Technology		Hood, James Howard (Univ.)	M.I.
Holcombe, Priscilla (Univ.)	D.C.	Hood, Robert Howard (Univ.)	N.Y.
A.B. 1934, The George Washington University		†Hook, Helen Fisher (Univ.)	W.V.
A.M. 1937, Columbia University		†Hook, John Solter (Univ.)	D.C.
Hollen, Elizabeth (Ed. 95)	N.Y.	Hooker, John Seam (Law III)	Pa.
Holderman, Samuel Gordon (Eng. 17)	Nev.	B.S. 1932, University of Pennsylvania	
†Holland, Edward Hanson (Jun.)	D.C.	Hopper, Elliott Loran (Law I)	Md.
Holland, George Kenneth (Grad., Ph.D.)	D.C.	B.S. 1933, Massachusetts Institute of Technology	
A.B. 1929, Occidental College		Hoopgarner, Ann M. (Col., A.M.)	D.C.
A.M. 1941, Princeton University		A.B. 1926, Indiana University	
†Holland, Lucille (Univ.)	Md.	Hooten, James Bowen III (Univ.)	D.C.
Holland, Sampson Philip (Jun.)	D.C.	Hoover, Earl D. (Eng. 36)	Md.
Holland, Teresa Marie (Col. 96)	D.C.	Hoover, George William, Jr. (Jun. 90)	D.C.



Hoover, Holman Don (Govt., A.M.)	Calif.	Howard, George W. (Univ.)	Miss.
B.S. 1935, University of California		Howard, Gertrude Driscoll (Ed., A.M.)	D.C.
Hoover, Lora-Marie (Jun. 9)	D.C.	A.B. 1942, The George Washington	
Hoover, Merrill Franklin (Univ.)	D.C.	University	
†Hoover, Muriel Nicholson (Univ.)	Md.	Howard, I. Ray (Med. III)	Md.
B.S. 1934, Wilson Teachers College		Howard, John Ben (Jun. 15)	Mo.
Hoover, Paulina Hood (Jun. 47)	D.C.	Howard, Josephine Theo (Ed., A.M.)	Va.
Hoover, William Kenneth (Col., A.M.)	D.C.	A.B. 1929, The George Washington	
A.B. 1933, American University		University	
†Hopkins, Bryant Prince (Univ.)	Pa.	Howard, Laskey Johnson (Ed., A.M.)	D.C.
B.S. 1924, M.S. 1936, Carnegie		A.B. 1926, The George Washington	
Institute of Technology		University	
Hopkins, George C. (Univ.)	Md.	Howard, Marcus Lorraine (Med. II)	Ga.
†Hopkins, Omar Carl (Univ.)	Va.	Howard, Martha Walling (Univ.)	Va.
B.S. 1921, Oklahoma Agricultural		A.B. 1917, Randolph-Macon Wom-	
and Mechanical College		an's College	
M.S. 1925, Massachusetts Institute		Howard, Robert Lewis (Univ.)	Conn.
of Technology		Howard, Robert Thomas (Jun.)	D.C.
Hopkins, Ralph J. (Univ.)	W.Va.	Howard, William Rea (Jun.)	D.C.
A.B. 1925, West Virginia University		Howe, John R. (Col., A.M.)	Colo.
Hopkins, William Jesse (Jun. 63)	Kans.	A.B. 1915, University of Colorado	
Hopper, Natalie Jane (Jun. 61)	D.C.	†Howe, Mary Agnes (Ed. 38)	D.C.
Horack, Jeanne Lucille (Univ.)	D.C.	Howe, Stanley Martin (Jun. 24)	Ill.
Horak, Rachel Margaret (Jun. 38)	Mich.	†Howell, Belle Tatum (Univ.)	D.C.
†Horan, Anne E. (Univ.)	Mass.	†Howell, Frank Scott (Univ.)	D.C.
Horn, Christine (Jun.)	D.C.	Howell, Mary Virginia (Jun.)	D.C.
Horn, Ruth Lenore (Jun. 12)	Md.	Howell, William Tawman (Jun. 44)	D.C.
Horne, Boyd Ellison (Eng.)	Va.	Howerton, James Luther (Col., A.M.)	Okla.
Horne, Kathleen Patricia (Jun.)	D.C.	B.S. 1933, Central State Teachers	
Horne, Marion Seth (Jun. 106)	Utah	College	
Horner, Merle Myles (Med. III)	Pa.	†Howerton, Louise (Univ.)	Va.
B.S. 1931, Juniata College		†Howes, Ruth Ellen (Univ.)	D.C.
†Hornier, Robert Henry (Univ.)	D.C.	Howland, Harold Howard (Jun.)	Mass.
Hornisher, Charles John (Med. II)	D.C.	Howe, Helen Karen (Col. 197)	D.C.
Hornstein, Ida Edith (Jun. 26)	D.C.	Hoyt, Charles Gammie (Med. III)	S. Dak.
†Hornstein, Irwin (Col., M.S.)	N.Y.	†Hoyt, David Donald (Govt., A.M.)	Ariz.
B.Chem E. 1937, College of the		A.B. 1926, University of Arizona	
City of New York		†Hoyt, Margaret Louise (Col. 104)	D.C.
Hotoswitz, Marjorie (Jun.)	D.C.	†Hrebnick, Mary A. (Univ.)	Pa.
†Hottens, Walter (Jun. 6)	N.Y.	Hubbard, Harold Elihu (Univ.)	D.C.
†Horton, Donald Eugene (Univ.)	D.C.	Huber, Albert (Col., A.M.)	Utah
Horton, Harry Lee (Univ.)	Mo.	A.B. 1937, The George Washington	
Horton, Hugh Byron (Law I)	N. Dak.	University	
Horton, Roger Remyon (Law II)	N.Y.	Huber, Elbert Lowell (Grad., Ph.D.)	Nebr.
B.Chem E. 1917, Rensselaer Poly-		A.B. 1928, A.M. 1930, The George	
technic Institute		Washington University	
Hoosfield, Anna Kennelly (Ed., A.M.)	D.C.	Huber, Frederick Harvey (Jun.)	N. J.
A.B. 1926, The George Washington		Huddleston, Edith Mary (Col., A.M.)	D.C.
University		A.B. 1930, The George Washington	
Hostler, Robert Arthur (Jun. 21)	D.C.	University	
†Houbert, Edith Leone (Col. 60)	Ohio	Huden, Melvin (Law III)	Ohio
†Houbt, Catherine Magill (Univ.)	D.C.	A.B. 1933, University of Dayton	
A.B. 1929, The George Washington		†Hudson, Nella Hoyt (Univ.)	Md.
University		Hudsons, Mary Ella (Col., A.M.)	N.C.
B.S. 1930, Columbia University		A.B. 1938, University of Wisconsin	
Hough, Mary Margaret (Jun.)	D.C.	Hudson, Harold Woodrow (Jun. 53)	Colo.
Houk, Jack Howard (Univ.)	D.C.	Hudson, Joseph Randolph (Jun. 10)	Va.
Houk, James Goodall (Univ.)	Tenn.	†Hudson, Keith P. (Col., A.M.)	Utah
Hoschman, Charles William (Jun. 42)	N.Y.	A.B. 1935, University of Utah	
Hoschman, Mary Bowman (Col. 84)	N.Y.	†Hudson, Robert Wade (Law I)	Okla.
Hoschman, Ralph Benson (Grad.,		A.B. 1929, University of Tulsa	
Ph.D.)		†Hudspeth, Floyd (Col., A.M.)	Tex.
B.S. 1915, Trinity College	Conn.	B.B.A. 1934, Texas College of Arts	
M.S. 1919, Connecticut State College		and Industries	
Houston, Flora Kail (Ed., A.M.)	D.C.	Hudman, Angela Mary (Jun.)	Mass.
A.B. 1929, The George Washington		†Huff, Ada May (Univ.)	Va.
University		Huff, Carroll Woodrow (Jun. 60)	Ohio
Houston, Lucy Lawson (Ed., A.M.)	Va.	Huff, Olga Jeanne (Col., A.M.)	Md.
B.S. 1926, Mary Washington Col-		B.S. 1934, Simmons College	
lege		Huff, Ray L. (Ed. Ph.D.)	Va.
†Houston, R. Bernard (Govt., A.M.)	Mich.	B.S. 1926, A.M. 1924, University	
A.B. 1924, Hillsdale College		of Pittsburgh	
Howard, Beatrice Lee (Jun.)	Mt.	†Huffman, William Francis (Jun. 9)	Pa.
†Howard, Elizabeth Roberts (Col. 55)	D.C.	†Hufv, Richard Miron (Jun.)	D.C.



# Students Registered

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†Hughes, John Ames (Univ.)	D.C.	†Huss, James Porter (Col. A.M.)	Pa.
Hughes, Lavelle W. (Univ.)	Md.	B.S. 1938, The George Washington University	
†Hughes, Mabelle Truitt (Jun.)	D.C.	†Huss, Mary A. (Univ.)	Iowa
†Hughes, Margaret Hudson (Univ.)	D.C.	Huss, Mary Gardner (Jun. 6)	D.C.
Hughes, W. Paul (Univ.)	Ind.	Husterl, Benjamin Franklin (Jun. 24)	R.I.
A.B. 1936, Indiana University		Hutchinson, Maud MacDonald (Univ.)	D.C.
†Huhn, Walter Clifford (Jun. 18)	Ky.	A.B. 1924, University of Toronto	
B.S. 1936, Wilson Teachers College	D.C.	A.M. 1927, McGill University	
†Huidekoper, Henry Shippen (Univ.)	D.C.	Hutchinson, Dean Elmer (Jun.)	Md.
Hulbert, Leila (Med. III)	Md.	Hutchinson, Francis A. (Ed. A.M.)	N.Y.
A.B. 1938, The George Washington University		A.B. 1929, College of New Rochelle	
Hull, Moody (Law I)	W.Va.	†Hutchinson, Nancy R. Lillibarger (Univ.)	Va.
A.B. 1941, The George Washington University		Hutchinson, Thomas Harvey (Jun. 28)	D.C.
†Hull, William Dale (Eng. 11)	Ill.	Hust, James Brooke, Jr. (Eng. 72)	Va.
†Hulse, Herbert Bruce (Govt. 60)	D.C.	Hutton, Myra Campbell (Eng. 124)	D.C.
Hultin, Clifford Thomas (Law III)	Va.	Hutton, Iverson Lane (Govt. 60)	D.C.
A.B. 1925, B. Chem E. 1941, M.S. 1944, University of Minnesota		†Hutton, Ruth Edell (Jun. 48)	Wash.
Holtes, Louise C. (Univ.)	Ind.	Hyde, Anna Roberts (Med. II)	D.C.
Holmes, Virginia Mae (Jun. 28)	D.C.	B.S. 1948, Haverford College	Idaho
Horne, Ruth Doyle (Govt. A.M.)	Ky.	Hyde, Donald (Univ.)	
A.B. 1940, University of Louisville		A.B. 1949, The George Washington University	
Hornold, Agnes Leeds (Jun.)	Va.	Hyman, Percy Hiram (Col. 92)	Ill.
Humphrey, Edward McClure (Law III)	Ky.	Hyman, Robert Edward (Jun.)	Va.
A.B. 1931, Centre College			
Humphrey, Frances Estella (Col. A.M.)	S.Dak.	I	
A.B. 1937, The George Washington University		Ibanez, Jose T. (Col. 93)	P.R.
Humphrey, John Julian (Ed., Ed. D.)	D.C.	†Icarangal, Nolasco Salamatin (Univ.)	P.I.
B.S. 1918, State Teachers College, Buffalo		A.B. 1935, Occidental College	
M.S. 1949, St. Bonaventure's College		†Ihle, Dora Mildred (Univ.)	Va.
†Humphreys, John Ray (Univ.)	D.C.	A.B. 1935, A.M. 1936, The George Washington University	
†Hunsicker, Helen Josephine (Jun.)	Mo.	†Iliff, Robert W. (Univ.)	Wis.
Hunsley, Blanche Mae (Jun. 12)	Ky.	Infantino, Carmelo John (Univ.)	N.J.
Hung, Chong Chung (Ed., Ed. D.)	China	Ing, Anna May (Jun. 94)	D.C.
A.B. 1927, San Diego State College		†Ingalls, Raymond Eugene, Jr. (Eng.)	D.C.
A.M. 1929, Columbia University		†Ingersoll, William B. (Univ.)	Md.
Hunt, Clifford H. ward (Jun. 54)	Va.	A.B. 1934, The George Washington University	
Hunt, Kermit Allan (Jun. 16)	D.C.	Inman, Harry Curtis (Univ.; Eng. 50)	D.C.
Hunt, Louise Hart (Jun. 51)	Md.	Innes, William Rennolds (Col. 96)	Mo.
Hunt, Richard Eldridge (Eng. 14)	Va.	Irani, Ardeshir, Jr. (Med. I)	D.C.
†Hunt, Ruth (Univ.)	Tex.	Irani, Tahmineh Dorothy (Jun. 67)	D.C.
Hunter, Amy Belle (Col. 113)	D.C.	Ireland, Ana Evelyn (Ed., A.M.)	Ind.
Hunter, Caroline Musally (Jun. 30)	D.C.	A.B. 1938, The George Washington University	
Hunter, Frank Rhodes (Law II)	Ga.	Ireland, Otto Miller (Law II)	Nebr.
B.S. 1949, The George Washington University	D.C.	A.B. 1946, Duane College	
Hunter, Ruth Elizabeth (Univ.)	D.C.	†Irwin, Henry Gifford (Univ.)	D.C.
Huntzberger, Lee (Col., Uncl.)	D.C.	A.B. 1932, Haverford College	
B.S. 1936, The George Washington University		LL.B. 1936, The George Washington University	
Hurd, Charles Gray (Jun. 61)	Md.	Irwin, Dawn Louise (Jun. 42)	D.C.
Hurd, Willis Lee (Govt. 97)	Md.	Irwin, Inver B. (Univ.) (Ed., A.M.)	D.C.
Hurley, Ann, Corneil (Ed. 118)	Vi.	B.S. 1926, Wilson Teachers College	
†Hurley, Anne Jacqueline (Univ.)	D.C.	Irwin, Len Howard (Ed. 1183)	N.C.
Hurley, George M. H. (Univ.)	D.C.	Irwin, LeRoy (Univ.)	W.D.
Hurst, Thomas Theo. (Univ.)	D.C.	Isaac, Ada W. (Univ.)	D.C.
Hurst, Francis Harold (Eng. 90)	D.C.	Isaacs, Hayden E. (Jun. 24)	R.I.
†Hurt, Ruth, Winifred (Jun. 40)	D.C.	Isaacs, Joseph Edward (Univ.)	
†Hurt, James M. (Univ.)	Mass.	B.S. 1928, Pennsylvania College	
A.B. 1939, Western Kentucky State Teachers College	Ill.	†Isbell, Doris Gene (Jun. 12)	D.C.
†Hurt, Mary Hackstaff (Jun. 41)	D.C.	Isbell, Frances V. (Jun. 42)	D.C.
Hurwitz, Abner (Col. 92)	D.C.	Isbell, May Dayman (Col. 79)	Md.
Husic, William John (Eng. 57)	Ohio	Isbell, Joseph William (Jun.)	D.C.
Huson, Amest Edward (Law I)	Va.	Isen, Milton (Jun.)	D.C.
		Isomaki, William Raymond (Univ.)	Minn.
		†Ivanick, Mary Holsted (Univ.)	D.C.
		†Ives, Charles Barnett (Univ.)	Ark.
		Iwanick, Alexander A. (Pharm. 99)	Pa.
		† Deceased.	

## J

† Jablonski, Chester (Univ.)	Md.	Jancura, Clarence Joseph (Jun. 6)	Va.
† Jackson, Benjamin Silas (Univ.)	Md.	Janisson, Florence Edna (Col. 111)	Va.
Ed. B. 1934, University of Toledo		Janus, Leah Shapiro (Ed. A.M.)	D.C.
† Jackson, Donald Ransbury (Jun. 54)	Ill.	A.B. 1934, Hunter College	
† Jackson, Evelyn Jane (Jun.)	D.C.	Janus, Sidney Q. (Grad., Ph.D.)	D.C.
† Jackson, George Maynard (Law I)	Tenn.	B.S.S. 1937, College of the City of New York	
B.S. in M.E. 1932, The George Washington University		A.M. 1934, Columbia University	Va.
† Jackson, J. Douglas (Jun.)	D.C.	† Japhet, Viola Georgiana (Univ.)	D.C.
† Jackson, John Edmund (Eng. 60)	D.C.	Jarboe, Louise (Med. II)	
† Jackson, John Frederick (Col. 95)	Mo.	B.S. 1937, The George Washington University	
† Jackson, Marian Francis, Jr. (Law I)	Tenn.	Jarvis, Ann (Col. 1115)	D.C.
A.B. 1938, University of the South		† Jarvis, William Stanley (Univ.)	Mach.
† Jackson, Marvin Watson (Law I)	Nev.	Jaster, Marie Charlotte (Col. 99)	Tex.
† Jackson, Robert McClelland (Jun.)	D.C.	† Jay, James Edward (Col. 60)	D.C.
† Jackson, Rose Marie V. (Univ.)	Va.	Jecko, Perry Joseph (Eng. 73)	D.C.
† Jacob, Roger Francis (Jun. 28)	Ohio	Jeffers, Norton Lyndon (Univ.)	D.C.
† Jacobs, Ephraim (Law I)	W.Va.	Jeffers, June Evelyn (Jun. 4850)	D.C.
A.B. 1938, Marshall College		† Jensen, Dorothy Allen (Jun. 24)	D.C.
† Jacobs, Isadore Jack (Jun.)	D.C.	Jenkins, Elsie Mildred (Jun.)	
† Jacobs, John Stark (Pharm., Uncl.)	D.C.	† Jenkins, Ethel Bailey (Col. 111)	Va.
B.S. 1939, University of Maryland		Col., A.M.)	
† Jacobs, Leon (Grad., Ph.D.)	N.Y.	A.B. 1940, The George Washington University	
A.B. 1944, Brooklyn College		Jenkins, Jasper Kenneth (Jun. 56)	D.C.
A.M. 1948, The George Washington University		† Jenkins, Melvin Douglas (Jun. 47)	Utah
† Jacobs, Milton (Jun.)	Pa.	Jenkins, Roy L. (Law I)	Utah
† Jacobs, Robert Petersen (Jun.)	D.C.	A.B. 1945, Brigham Young University	
† Jacobs, Walter William (Col., A.M.)	N.Y.	Jenkins, W. Clayton (Med. III)	Utah
B.S. 1934, College of the City of New York		A.B. 1933, Brigham Young University	
Jacobsen, Max Cole (Univ.)	Utah	Jennings, Lloyd Ernest (Jun. 15)	Ind.
Jacobsen, Paul Dewar (Govt. 85)	D.C.	Jennings, Miriam (Jun. 9)	Tex.
LL.B. 1948, The George Washington University		Jennings, Richard Aubrey (Law I)	
† Jacobson, Albert (Jun. 38)	N.Y.	A.B. 1938, Baylor University	
† Jacobson, Harvey B. (Law, Uncl.)	Md.	Jennings, Stanley Noel (Jun.)	Ind.
B.S.L. 1939, Northwestern University		† Jensen, Frank W. (Eng.)	Wyo.
† Jacobson, James Lamma (Jun. 18)	D.C.	Jensen, Arthur Anton (Jun. 1243)	Calif.
† Jacobson, Melvin Lawrence (Jun.)	D.C.	Jensen, Jannette Julia (Col. 85)	D.C.
† Jacobson, Miriam (Col., A.M.)	N.Y.	Jensen, Lonada Justyn (Col. 81)	Mass.
A.B. 1940, Brooklyn College		† Jensen, Mabel Schauble (Jun. 64)	Id.
† Jacobson, Ralph Gibson (Jun. 40)	Nehr.	Jensen, Nan Christine (Univ.)	D.C.
† Jacoby, William James, Jr. (Jun. 21)	N.Y.	† Jensen, Rudolf (Jun.)	D.C.
† Jaeger, Carol M. (Col., A.M.)	D.C.	Jermie, John Wilson (Jun.)	D.C.
A.B. 1934, University of Dubuque		Jervis, J. Alexander, Jr. (Col., A.M.)	
† Jaeger, Henry William (Jun. 17)	D.C.	B.S. in Chem. E. 1944, Drexel Institute of Technology	D.C.
† Jaffe, Bernard S. (Univ.)	D.C.	Jessup, Warren Thomas (Law I)	
B.S. in Eng. 1929, M.M.E. 1931, College of the City of New York		B.S. 1937, University of Southern California	
† Jaffe, Betty Gensberg (Univ.)	Va.	Jetton, Clyde Loring (Jun. 10)	D.C.
A.B. 1939, University of Chicago		† Jewell, Alice Adolma (Ed., A.M.)	Iowa
† Jaffe, Sidney (Col., A.M.)	N.J.	A.B. 1931, Grinnell College	
A.B. 1938, The George Washington University		† Jewett, Lucille Marie (Univ.)	Minn.
† Jaffe, T. By (Col. 88)	N.J.	† Jimenez-Torres, Carlos Federico (Med. I)	P.R.
† Jaggers, Frank Yewdall (Med. I)	D.C.	† Jockish, Irene (Univ.)	Ohio
B.S. 1939, Dickinson College		† Joel, Leo (Col., A.M.)	N.Y.
† Jahn, Patricia Dorothy (Col. 99)	D.C.	B.S. 1931, College of the City of New York	
† James, Ada Florence (Col. 64)	D.C.	† Joel, Mae (Univ.)	N.Y.
† James, Anna Margaret (Jun.)	Fla.	† Joell, Harold (Col. 36)	Mo.
† James, David Fellous (Med. IV)	D.C.	† John, Martin (Jun.)	Pa.
B.S. 1936, Catholic University of America		† Jodder, Joseph Ralph (Univ.)	D.C.
† James, Elouise Florence (Jun.)	Md.	John, Ethel Marie (Jun. 12)	D.C.
† James, I. Frank (Law II)	N.Y.	† Johnson, David Strand (Jun. 17)	
† James, Meadon Henderson (Jun. 16)	Ala.	† Johnson, Albert Sidney (Univ.)	Col.
† James, Robert Edward (Jun. 20)	Ala.	M.S.)	
† James, Roy E. (Govt. 79)	Pa.	B.S. 1936, University of South Carolina	
† James, Walter Edwin (Law II)	Ala.		



# Students Registered

415

Johnson, A. Meredith (Law I) B.S. in Eng. 1934, University of Michigan	D.C.	† Johnston, Robert William (Jun. 27)	Va.
Johnson, Alfred Nair (Jun.)	Wis.	† Johnston, Stuart M. (Jun. 32)	Va.
Johnson, Augustus Clark (Jun. 68)	D.C.	Johnston, Thomas Henry, Jr. (Eng. 126)	Va.
† Johnson, Bernard Lee (Jun.)	D.C.	Johnston, Wesley Anna (Law I)	N.Y.
† Johnson, Bertrand Leroy (Univ.) B.S. 1937, Massachusetts Institute of Technology	Md.	Jones, Ada Louise (Jun. 18)	Va.
Johnson, Betty Henrietta (Univ.)	N.C.	Jones, Allen Monroe (Law III and Univ.) (Col. 79)	D.C.
† Johnson, Catherine Marie (Jun. 30)	Minn.	† Jones, Ben Rhea (Univ.)	D.C.
Johnson, Darrell Sammons (Ed., A.M.) A.B. 1935, The George Washington University	Pa.	Jones, Bertram Bacon (Eng. 17)	Va.
Johnson, Edward Newton (Jun. 16)	Md.	Jones, Betty Rebecca (Jun. 12)	D.C.
Johnson, Elizabeth Drake (Ed., A.M.) A.B. 1934, Mary Baldwin College	Va.	Jones, Charles Joseph (Jun. 27)	Ind.
Johnson, Evelyn Hope (Jun.)	Va.	Jones, Cullen Bryant (Jun. 12)	D.C.
Johnson, Everett A. (Law I)	Va.	Jones, Darrell Lloyd (Jun. 6)	Va.
† Johnson, George Woodrow (Univ.)	Ill.	Jones, Don Russell (Law I)	Ind.
Johnson, Gordon (Jun. 6)	Pa.	Jones, Edward Humlin (Law I)	Iowa
Johnson, Gordon Pharmacy (Jun.)	Conn.	A.B. 1939, State University of Iowa	Pa.
† Johnson, Helen Summels (Univ.) A.B. 1925, Carnegie Institute of Technology	D.C.	Jones, Fred William (Eng. 37)	Md.
† Johnson, Hildegarde Ernest (Col. 79) LL.B. 1928, The George Washington University	N. Dak.	Jones, Frederick Nelson (Law I)	D.C.
† Johnson, Hurrell Elizabeth (Univ.)	Ill.	† Jones, Gladys Telling (Univ.)	Va.
Johnson, Irene Elizabeth (Jun. 12)	Pa.	† Jones, Helen Starecki (Univ.)	Md.
Johnson, James LeRoy (Law I) A.B. 1935, University of South Carolina	S.C.	Jones, Ira King (Eng. 198)	D.C.
Johnson, James Lloyd (Law II) B.S. in E.E. 1934, The George Washington University	Ohio	Jones, Iva Lee (Ed., A.M.) R.S. 1934, Madison College	N.C.
Johnson, James Robert (Univ.)	Mo.	† Jones, James Edward (Univ.)	D.C.
Johnson, John E. (Jun.)	Ill.	† Jones, James Wesley (Univ.)	D.C.
Johnson, Keith Charles (Ed., A.M.) BS 1934, Wilson Teachers College	D.C.	Jones, Joe Allen (Law I)	D.C.
Johnson, Lloyd N. (Law III) B.S. 1935, Utah State Agricultural College	Utah	B.S. 1937, The George Washington University	Minn.
† Johnson, Louis William (Jun. 9)	D.C.	Jones, John Courts (Grad., Ph.D.)	Calif.
† Johnson, Mabel Eleanor (Col. 75)	D.C.	A.B. 1934, University of Minnesota	D.C.
† Johnson, Marie Virginia (Univ.)	Md.	A.M. 1937, The George Washington University	D.C.
Johnson, Nadine (Jun.)	D.C.	Jones, John Landers (Law I)	Calif.
Johnson, Norton Steele (Jun. 17)	Md.	A.B. 1935, University of California	D.C.
Johnson, Pyke, Jr. (Univ.)	D.C.	† Jones, John Melvin (Univ.)	D.C.
A.B. 1937, University of Maryland		† Jones, Karlbert Synanon (Univ.)	D.C.
A.M. 1939, The George Washington University		Jones, Lawrence Pike (Law I)	D.C.
Johnson, Richard Mercer (Govt. 88)	D.C.	A.B. 1939, Virginia Military Institute	Tex.
Johnson, Robert Lewis (Jun. 18)	La.	Jones, Luther Edward (Govt. 24)	D.C.
Johnson, Rose Emily (Jun. 67)	D.C.	LL.B. 1937, University of Texas	D.C.
Johnson, Roy William (Univ.)	Pa.	Jones, Margarette Dunbar (Ed., A.M.)	W. Va.
Johnson, Rudolph C. (Jun. 55)	D.C.	A.B. 1934, New York State College for Teachers	W. Va.
Johnson, Salvator C. (Univ.)	Pa.	Jones, Mark Wallin (Univ.)	W. Va.
Johnson, Sidney Arthur (Law III) B.Chem. 1933, Chem. E. 1934, Cor- nell University	Wash. N.Y.	A.B. 1938, University of West Vir- ginia	W. Va.
Johnson, Theodora Lucia (Col. 93)	D.C.	Jones, Merriam Arthur (Grad., Ph.D.)	Minn.
Johnson, Wayne Sinclair (Jun.; Eng.)	D.C.	A.B. 1933, University of North Dakota	Pa.
Johnson, William F. (Univ.)	S. Dak.	Jones, Robert Moses (Law III)	Pa.
† Johnson, Altha R. (Jun. 2736)	D.C.	A.B. 1931, Princeton University	D.C.
† Johnson, Bessie B. (Univ.)	W. Va.	† Jones, Therese Bailett (Univ.)	Tex.
Johnson, James Lamont (Law II) A.B. 1935, United States Naval Academy	Va.	Jones, Wallace Alexander (Col., Uncl.)	Md.
Johnson, Joseph Edwin (Law III) A.B. 1934, University of Dubuque	Utah	A.B. 1930, Washington University	Tex.
† Johnson, Katherine Mariana (Univ.)	Pa.	Jones, Walter Kiser (Col. 11817)	Md.
† Johnson, Richard Charles (Jun.)	Conn.	Jones, William A. (Law 71)	Tex.
		† Jones, William McDonald (Govt., A.M.)	S.C.
		B.S. 1938, Presbyterian College	Pa.
		† Jones, William Stetley (Univ.)	D.C.
		† Jones, William White (Jun. 14)	Ky.
		Jones, William C. (Govt., A.M.)	D.C.
		A.B. 1935, Western Kentucky State Teachers College	D.C.
		Jerry, Paul Arnold (Eng., Uncl.)	D.C.
		B.S. in E.E. 1939, The George Washington University	D.C.
		† Jordan, Lynne M. (Univ.)	D.C.
		† Jordan, Mary Davis (Univ.)	Ala.
		† Jordan, Richard Ives (Univ.)	Va.



Jordan, Terral Augustus (Law I)  
A.B. 1918, The George Washington  
University  
Jorulemon, Marie Roberta (Jun. 75)  
†Joseph, Horace M. (Univ.)  
B.S.E. 1917, M.E.E. 1918, College  
of the City of New York  
Joseph, Joseph Elias (Jun.; Eng.)  
†Josephson, Bernard (Univ.)  
A.B. 1938, Columbia University  
†Joss, Frederick Crawford (Govt., A.M.)  
A.B. 1935, The George Washington  
University  
Joy, Barnard DeJean (Ed., Ed.D.)  
B.S. 1910, Oregon State College  
A.M. 1914, University of Maryland  
Joyner, Frances Elizabeth (Col. 81)  
Judge, Bart Joseph (Med. I)  
B.S. 1920, University of Scranton  
Jure, Harriet Lorena (Jun.)  
†Jurkin, Virginia Wallace (Ed., A.M.)  
B.S. 1918, Beaver College  
Jurkin, William Jackson (Univ.)  
†Jupiter, Robert Morris (Univ.)  
Jussila, Lillian I. (Jun. 72)  
Just, Carolyn Royall (Law, LL.M.)  
Ph.B. 1931, University of Chicago  
J.D. 1938, De Paul University  
†Just, Robert Newton (Univ.)

## K

†Kadel, Robert Byers (Col., A.M.)  
A.B. 1918, Bridgewater College  
Kaiser, Elsa C. (Univ.)  
Kaffes, Isadore (Jun. 18)  
Kaiser, Harold Nathan (Col. 67)  
Kalamov, Sadrey (Jun.)  
Kahler, Elizabeth (Med. IV)  
B.S. 1923, A.M. 1925, The George  
Washington University  
Kahn, Bernard Harvey (Jun. 50)  
†Kahn, Leonore B. (Univ.)  
†Kaiser, Paula Reines (Law I)  
M.B. Ch.B. 1926, University of St.  
Andrews, Scotland  
Kassowitz, Bernard (Jun.)  
Katz, Hyman Benjamin (Jun. 64)  
†Katz, John (Eng. 1)  
†Kassow, Karl Waldm (Univ.)  
†Kathorn, Elizabeth Veda (Jun. 6)  
Kalmans, Ethel Toby (Jun. 40)  
Kaher, Miriam (Jun. 31)  
Katy, George Paul (Eng. 61)  
†Kase, Mary Katherine (Jun. 50)  
\*Kangas, Pell (Jun. 1151)  
Kand, Norman Balfour (Col. 76 and  
Med. III)  
Kaplan, Harry (Jun. 10)  
†Kaplan, Harry Richard (Jun. 10)  
Kaplan, Louis Charles (Univ.)  
A.B. 1931, Yale University  
†Kaplan, Seymour (Col., A.M.)  
A.B. 1925, Brooklyn College  
Kargames, Euzema Margaret (Jun.)  
†Karchem, Raymond (Jun.)  
Karkus, Frederick Joseph (Med. II)  
Karl, William Clement (Univ.)  
B.S. 1931, University of Notre Dame  
A.M. 1934, New York University  
†Karlson, Lawrence (Univ.)  
Karna, Joan Gates (Jun. 48)  
Karna, Shirley Maurine (Col. 76)

Miss.

D.C.

N.Y.

D.C.

N.Y.

Calif.

Oreg.

D.C.

Pa.

Minn.

D.C.

Pa.

N.Y.

Minn.

Ill.

Md.

Va.

Utah

N.Y.

N.Y.

D.C.

D.C.

N.Y.

Pa.

N.Y.

N.Y.

N.Y.

Mass.

Pa.

D.C.

Me.

D.C.

D.C.

D.C.

Iowa

Mich.

D.C.

Ill.

N.Y.

Conn.

N.Y.

Wis.

D.C.

Conn.

D.C.

N.Y.

Va.

Va.

Karp, Sydney (Col. 98)

†Karpinus, Bernard D. (Univ.)

A.B. 1920, A.M. 1922, Ph.D. 1934,  
State University of Iowa

†Karr, William I. (Univ.)

†Karr, Samuel (Univ.)

B.S. in M.E. 1911, Cooper Union

Kary, Reimo August (Jun. 9)

Kasarsky, Irving (Jun. 16)

Kaspiu, Ben Louis (Col., A.M.)

B.S. 1928, University of Chicago

†Kass, William (Univ.)

Kastoff, Arthur Irving (Jun. 48)

†Kastendieck, Arndt William (Univ.)

Katon, Michael William (Univ.)

Katon, Dorothy Eak (Law III)

Katz, Edward Myron (Jun.)

Katz, Gertrude (Col. 77)

Katz, Jack (Jun. 61, Govt.)

Katz, Joseph P. (Law I)

B.B.A. 1929, College of the City of  
New York

Katz, Rexa (L.S., Und.)

B.S. 1920, University of Minnesota

†Katz, Ruth (Univ.)

Katz, Samuel Irving (Col. 120)

†Katz, Solomon (Jun. 59)

Kauffman, Frank Miller (Law I)

B.S. 1928, Franklin and Marshall  
College

†Kauffman, George Allen (Univ.)

Kauffman, Julius (Med. III)

B.S. 1937, The George Washington  
University

Kaufman, Bernhard (Med. III)

A.B. 1927, University of Wisconsin

Kaufman, Esther (Univ.)

Kaufman, Gertrude Mary (Jun. 91)

Kaufman, Irving (Col., A.M.)

A.B. 1929, New York University

\*Kaufman, Morris (Govt. 114)

†Kaufman, Stanley Lloyd (Univ.)

B.S. 1922, College of the City of  
New York

L.L.B. 1925, Harvard University

Kausch, Ernest Frank, Jr.

(Govt. 102)

†Kautz, Robert Myers (Eng. 17)

Kay, Joseph (Eng.)

Kay, Sylvia (Univ.)

Kaye, Homer (Cash (Govt. 65)

Kaylor, Lewis Bateman (Univ.)

†Kays, Frederick Anthony, Jr. (Eng. 24)

Keady, Alice Kathryn (Jun.)

Kearny, Rayburn Wilfred (Jun. 48)

Keahley, Eula Dore (Jun. 92)

Keane, Charles Kenneth (Univ.)

Kearney, John Francis (Jun. 81)

Kearney, John Heyward (Jun. 1)

Keating, Mary Dolores (Col. 60)

Kedon, Sylvia (Univ.)

Kee, Frances Ruth (Univ.)

Keegan, Harry Joseph (Eng. 81)

Keegan, Patricia (Univ.)

Keeling, Edith Henry (Univ.)

Keenan, Robert Gregory (Col., A.M.)  
B.S. 1937, Catholic University of  
America

Keener, John R. (Col. 91)

†Keesey, Tom Siler (Jun.)

†Kelue, John Joseph (Jun.)

N.J.  
Md.Ill.  
D.C.Wis.  
N.Y.

Ill.

N.Y.  
N.Y.N.Y.  
Nev.Ind.  
D.C.D.C.  
D.C.N.Y.  
Pa.

D.C.

D.C.

Wis.

Ohio  
D.C.N.J.  
N.Y.

D.C.

S.D.N.Y.  
Pa.

N.Y.

D.C.

Me.  
D.C.Tex.  
D.C.Me.  
Pa.

D.C.

D.C.

W.Va.  
D.C.Fla.  
Va.

Va.

D.C.  
Pa.

Md.

# Students Registered

417

†Kehr, Elizabeth (Univ.) A.B. 1922, The George Washington University A.M. 1925, Catholic University of America	D.C.	†Kesselman, Sadie (Univ.) †Kessinger, James Bennett (Jun. 25) †Kessler, Leon (Univ.) †Kessler, Lloyd Alexander (Univ.) Kessler, Rosslyn (Jun. 24) †Kessner, Louis Joseph (Jun. 47) Ketner, Antoinette Kyle (Jun.) Kettering, James H. (Col., A.M.) B.S. 1922, The George Washington University	Md. La. N.Y. Md. Tex. N.Y. D.C. Va.
Keim, Walter George (Col. 107) Keiser, Mary Bette (Jun. 10) Keith, John Benjamin (Univ.) Keller, William Ross (Univ., Col., M.S.) B.S. 1925, Louisiana State University	Pa. Mass. N.C. La.	Keve, Paul Willard (Jun. 63) Keys, Ida M. (Jun. 5) Keys, Leon Gilbreath (Law III) A.B. 1914, University of Oklahoma Keys, Raymond Lynn (Eng. 96) Kevser, William Miles (Univ.) †Kibbey, Barbara Clarkson (Univ.) Kidd, Glenn Orville (Law III) B.S. 1926, Washington University Kidwell, Alfred Spiller (Jun.) †Kidwiler, Julian Carson (Ed., A.M.) A.B. 1915, Shepherd State Teachers College	D.C. Kans. Okla. D.C. Va. D.C. Mo. Va. W.Va.
†Kelley, Josephine Ward (Jun. 48) †Kelley, Mary Virginia (Jun. 21) †Kelly, Charles Loyce (Jun.) †Kelly, Frances Anne (Col. 58) †Kelly, James Aloysius (Univ.) †Kelly, Kenneth Low (Univ.) B.S. 1934, Johns Hopkins University M.S. 1935, Philadelphia College of Pharmacy	Wash. Md. N.C. Ind. D.C. Md.	Kiefer, Charles Frederick, Jr. (Col. 101) Kiefer, Verna Vole (Col., A.M.) A.B. 1926, The George Washington University †Kieferle, Alar Kennedy (Jun. 42) Kieferle, Frederick Thomas (Univ.) Kiehlhorn, Elise Westhousen (Jun. 61) Kiehlhorn, William Vineyard (Jun. 34) †Kiely, Mae Catherine (Jun.) Kiernan-Vasa, Helen (Univ.) A.B. 1928, A.M. 1929, The George Washington University Kiess, Arthur (Law I) B.M.F. 1927, Ohio State University Kiess, Harriet Knudsen (Univ.) A.B. 1926, Northwestern University	D.C. Kans. Okla. D.C. Va. D.C. D.C. D.C. D.C.
Kelly, Margaret G. (Col. 95) Kelly, Paul (Jun.) Kelm, Ruth Mathilda (Jun. 32) Kelso, Dorothy Kathleen (Col. 61) †Kelso, Leon Hugh (Univ.) A.B. 1929, University of Denver Kelso, Mary Emeline (L.S. 105) Kennell, Charles Kay (Eng. 28) Kemp, Mary (Ed., A.M.) B.S. 1936, University of Maryland Kemper, Edward Crawford (Law II) A.B. 1937, The George Washington University	D.C. Mich. Minn. D.C. D.C. D.C. Ill. Md. D.C.	†Kendler, Jesse Benjamin (Jun.) Kendrick, Eileen (Jun.) Kendrick, John Alexander (Jun. 81; Law I) Kengla, Nancy Duvall (Law II) A.B. 1937, Trinity College Kenkel, Helen Marjorie (Col., A.M.) A.B. 1915, State University of Iowa Kennedy, Charlotte V. (Jun. 33) Kennedy, Jessie Brett (Ed. 109) †Kennedy, John Royer (Univ.) B.F.S. 1911, Georgetown University †Kennedy, William Harold (Univ.) Kennon, Robert Siess (Jun. 70) Kennon, Troye Almyrl (Law III) A.B. 1936, University of Tulsa Kenny, Joseph Patrick (Jun.) Kont, Arthur Peter (Col. 100) Kent, Perrin Aloysius (Univ.) †Kenworthy, Henry Sterling (Univ.) Kenyon, Kenneth (Jun. 53) Keppler, Kurt (Law I) †Kerins, Lamson (Univ.) †Kerins, Marian A. (Univ.) †Kerlin, Beatrice (Jun. 12) Kernkamp, Clarence Frederick (Eng. 33) †Kerna, Josephine A. (Col., A.M.) A.B. 1937, The George Washington University	N.Y. Va. D.C. D.C. Iowa Md. D.C. Ill. Va. D.C. Okla. Conn. D.C. Mo. Md. D.C. Va. Mass. D.C. Pa. Md. Ga.
Kerr, Kleon Harding (Ed., A.M.) A.B. 1939, The George Washington University Kerr, Richard Lynn (Univ.) Kershaw, Albert Farrow (Eng. 33) †Kershaw, John A. (Jun.) †Kerslake, Youart Herbert (Univ.) B.S. 1933, Haverford College LL.B. 1938, The George Washington University	Utah Pa. Md. Pa. Md.	Killea, John F. (Law III) A.B. 1926, University of South Carolina Killea, William D. (Gent. 70) †Kilmer, Allen S. (Univ.) Kilpatrick, Edward Floyd (Law II) A.B. 1911, University of Missouri Kilpatrick, George A. (Eng. 57) †Kimball, Clyde Golden (Jun. 32) †Kimball, Marden David (Col. 111) †Kimball, Ruth Fumelle (Univ.) A.B. 1926, Gardner College A.M. 1921, Cornell University Kimble, Sarah Tins (Jun. 37) Kimbrough, James Maudie (Univ.) Kime, Percy Thomas (Law, Unl.) LL.B. 1922, LL.M. 1924, J.D. 1927, Indiana University Kimm, Neal Edwin (Jun. 3) Kimm, Robert Alexander (Law II) B.S. 1928, Hampton-Sydney College †Kinkeade, Esther Marie (Univ.) A.B. 1934, The George Washington University Kindawater, Leo Richard (Jun. 66; Col.)	N.Y. D.C. Md. Ohio Ohio D.C. D.C. N.Y. N.Y. Mo. Pa. Calif. Ark. D.C. D.C. Miss. Ind. Iowa W.Va. Va. Ohio



King, Betty (Jun. 3)	D.C.	Klund, H. Stewart (Law II)	Del.
†King, Edgar Kent (Univ.)	Calif.	B.Chem.E. 1935, Catholic University of America	
†King, George Washington (Jun. 75; Col.)	D.C.	Knapp, Joseph Martin (Col. 81)	Pa.
†King, Kathryn Mary (Univ.)	Ohio	Knauf, Albert Ensign (Law II)	Ohio
King, Malcolm Floyd (Jun. 12)	Md.	B.S. 1928, A.M. 1929, Western Reserve University	
King, Mary Madeline (Univ.)	D.C.	Ph.D. 1934, University of Illinois	
King, Robert Warren (Eng. 82)	Ala.	Knapp, Robert Frederick (Law I)	D.C.
King, Veris Vaughn (Jun. 14)	Ind.	A.B. 1915, Duke University	
King, Walton Frear (Univ.)	Va.	Kudlin, Wayne D. (Law I)	Ohio
Kingsley, Sam W. (Univ.)	Tenn.	Kudlin, Wayne D. (Law I)	Ohio
A.B. 1930, Tusculum College		†Knecht, Ernest Milton (Jun. 78)	D.C.
Kinsel, Marian (Jun. 12)	D.C.	Knight, James Louise (Col. A.M.)	N.Y.
†Kinsella, Denis Myrtle (Jun.)	D.C.	A.B. 1936, Mount Holyoke College	
Kinsella, James Francis (Jun. 91)	Va.	Knaifer, Mildred Rose (Jun. 24)	D.C.
Kissman, Margaret (Jun. 14)	Md.	Knoop, Victor Humminal (Col. 11413)	D.C.
†Kister, Margaret (Jun. 14)	Ohio	L.L.B. 1938, The George Washington University	
Kitt, Burton E. (Univ.)	N.Y.	†Knoth, William Howard (Univ.)	Utah
†Kitt, Ruth Bayley (Ed. 107)	D.C.	Knoth, Leonard Carl (Jun. 1313)	D.C.
†Kipp, Robert Francis (Jun. 15)	Ohio	Knose, Janice Claudia (Col. 65)	Nebr.
Kiracofe, Warren Curtis (Col. 66)	Va.	Knowlden, Robert Slack (Jun.)	D.C.
L.L.B. 1938, The George Washington University		Knox, George William (Univ.)	Mass.
†Kirby, Anna Orison (Univ.)	Va.	Knox, James Howard (Univ.)	Va.
†Kirk, Hugh Adam (Col. A.M.)	Ohio	A.B. 1938, College of William and Mary	
B.S. 1934, University of Toledo		Knox, Luellyn Mae (Univ.)	Va.
†Kirk, Jane Riley (Jun.)	D.C.	Knox, Robert Orin (Jun. 61; Col.)	D.C.
Kirkham, Grant (Law III)	Utah	Knutson, Geoffrey B. (Law I and Univ.)	S.Dak.
†Kirkham, Jane Dodge (Univ.)	Utah	A.B. 1937, Yankton College	
†Kirkland, Helen Alice (Univ.)	D.C.	Kober, William (Law I)	Va.
Kirkland, Henry Otis, Jr. (Jun.)	Va.	B.S. 1929, College of the City of New York	
Kirkus, Helen Gibbs (Jun.)	D.C.	A.M. 1931, Columbia University	Mo.
†Kirschbaum, Marian (Jun. 46)	N.Y.	Kochler, Emma Helen (Ed. 9175)	N.Y.
Kirschen, Myron (Eng. Land I)	D.C.	Kogan, David (Univ.)	N.Y.
Kirstein, Stanley William (Med. I)	D.C.	Kogon, Theodore (Univ.)	N.Y.
†Kisner, John Joseph (Jun.)	Ohio	Kohl, Francis Victor (Univ.)	N.Y.
Kiser, Thorton Marie (Jun.)	Ky.	Kohl, George John (Univ.)	N.Y.
Kishen, Burkett H. (Univ.)	Calif.	A.B. 1936, Canisius College	Iowa
Klause, James Mason (Jun. 58)	Mch.	Kohlman, Vernon Connie (Law I)	
†Klammack, Julia Francael (Univ.)	D.C.	A.B. 1938, University of Iowa	P.C.
†Klass, Felix (Law I)	N.Y.	Kokoski, John Marlow (Jun. 65)	P.C.
B.Chem.E. 1938, College of the City of New York		†Kolla, William Mackenzie (Jun. 14)	P.C.
†Klassner, Benjamin (Jun.)	N.J.	Kollaba, Alice Charlotte (Jun.)	D.C.
Kleber, Nina Anne (Jun.)	Ohio	Kolbe, Laverne Evangeline (Grad. Ph.D.)	Ohio
Klein, Jack (Jun. 32)	D.C.	B.S. 1934, University of Chicago	
†Klein, Alfred Kenneth (Univ.)	Va.	A.M. 1935, Ohio State University	P.C.
B.S. 1936, St. Louis University		Kolbey, Henry J. (Univ.)	
Klein, Charles Conrad (Col. 83)	Ky.	B.M.E. 1918, University of Kentucky	P.C.
Klein, Herbert M. (Col. 85)	Pa.	Kolbey, Lillian Barbara (Jun. 11)	
Klein, James Jerome (Jun. 25)	N.Y.	†Kolesnikova, Valentina Jakovlevna (Univ.)	N.Y.
Klein, Joseph (Law I)	N.Y.	Diploma 1930, Azerbaijan State University, Baku, Russia	
Klein, Paul Maria, Jr. (Law II)	N.Y.	A.M. 1939, The George Washington University	
B.M.E. 1938, College of the City of New York		Kolniski, Charles James (Col. 94)	W.V.
Klein, Sander (Jun. 40)	D.C.	Kolnisky, Jacob Israel (Jun. 78; Col.)	N.Y.
Kleinkauf, Edward Gustave, Jr. (Eng. 9)	Pa.	Kolker, Joseph (Jun. 66)	D.C.
Kleinkauf, John Henry (Jun. 42)	Pa.	†Koma, Tony Louis (Dist. 82)	Mass.
Kleinman, Betty Mae (Jun.)	Ohio	Kemp, William H. Wood (Grad. Ph.D.)	P.C.
Kleinman, James Stephen Miller (Law I)	D.C.	B.S. 1916, M.S. 1917, Rutgers University	
B.S.S. 1939, Georgetown University		Kondrup, Anne Lovat (Law III)	Va.
†Klemens, Thaddeus E. (Jun. 20)	Mich.	A.B. 1939, The George Washington University	
Klemin, Marguerite Rose (Law I)	Mass.	Koniszewski, John Edward (Jun.)	Pa.
Kline, Lois Brey (Col. 102)	Va.	†Koons, Virginia E. (Ed. 80)	D.C.
Kline, Philip Sherwood (Med. IV)	Va.		
A.B. 1938, The George Washington University			
Klohn, Oscar (Jun. 90)	Md.		
Klopp, Morris Rex (Jun.)	D.C.		
Kloak, Halsey Martin (Jun. 44)	D.C.		
Kloth, Gilbert Frank (Law III)	Nebr.		



# Students Registered

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†Koontz, Betty Harr (Univ.) B.S. 1932, West Virginia University	Md.	Krupen, Philip (Col. A.M.) B.S. 1935, Brooklyn College	N.Y.
Koontz, Joe L. (Law III)	Colo.	Krupaw, Fulton Hilton (Law III)	D.C.
†Koplin, Mildred E. (Univ.)	D.C.	Ksiazek, Cecelia A. (Jun. 54)	Nebr.
†Koplow, Esther (Univ.)	S.Dak.	†Kuhn, Gail Charles (Jun. 54)	Ohio
Koppels, n, Melvin J. (Univ.)	N.Y.	Kuhn, Victoria (Univ.)	D.C.
Korbel, Betty Rose (Jun.)	D.C.	Kuhne, Norman Werner (Col. 89)	Mich.
Korman, Claude (Univ.)	D.C.	Kukula, Leonard K. (Jun. 41)	Mich.
Kornfeld, Allan I. (Jun. 4245)	Pa.	†Kullman, Paul Stephen (Univ.) B.S. 1936, Catholic University of America	Md.
Kortatzer, Henrietta Goldsmith (Ed., Ed.D.)	D.C.	Kutale, Robert Carl (Jun.)	Md.
A.B. 1932, A.M. 1939, The George Washington University		Kusall, Catherine Mary (Univ.)	D.C.
Kotokawicz, Marian E. (Jun. 50)	Mich.	Kusak, Stephen W. (Col. 95)	Pa.
†Kottman, Cecil M. (Eng. 15)	Tex.	Kupferschmidt, Aaron (Law I)	D.C.
Koss, Gail Tyler (Jun.)	D.C.	Kursten, William (Law 65, Col.)	D.C.
Kossow, Willard Edward (Jun. 40)	Wash.	Kurtz, H. James (Med II)	Wis.
Kossow, Betty (Col. 64)	D.C.	A.B. 1935, The George Washington University	
Kostrzewsky, Mary Anna (Univ.)	Mass.	†Kurtz, William Louis (Jun.)	D.C.
Kotene, Alexander John (Jun.)	Mass.	†Kurylo, Edward Felix (Jun.)	Wis.
Kotene, Otto Arthur (Col. A.M.)	N.Y.	Kuryle, Walter (Univ., Jun. 18)	Wis.
A.B. 1935, New York University		Kurz, Charles Godfrey (Eng. 116)	N.J.
†Kotter, Fred Ralph (Col. A.M.)	Utah	†Kurz, M. Faye (Univ.)	Md.
B.S. 1937, University of Utah		Kuchman, Leonard John (Col. 59)	D.C.
Kotomskus, Chris Nicholas (Pharm. 81)	D.C.	†Kwa, Robert Hanz (Univ.)	N.Y.
Kowalezyk, Chester Edward (Eng. 13)	Pa.	Kyle, Paul Joseph (Jun. 15)	D.C.
Kowlan, Sadi Ibrahim (Univ.)	Turkey	Kyne, William B. (Eng. 82)	Wyo.
Kozisky, Stephen (Jun. 51)	Pa.	†Kyzias, Christ William (Jun.)	D.C.
†Kramer, Benjamin (Univ.)	N.Y.		
B.S. 1934, Brooklyn College			
†Kramer, Charles F. (Univ.)	Md.		
Ph.B. 1911, A.M. 1912, Dickinson College			
Kramer, Floyd Weber (Jun. 27)	N.Y.		
†Kramer, Rose Cohen (Univ.)	D.C.		
B.S. 1933, Wilson Teachers College			
A.M. 1939, Catholic University of America			
Kranich, Robert Martin (Jun.)	Pa.		
Kraus, Mildred (Jun. 12)	N.Y.		
Krause, Nadine F. (Jun.)	S.Dak.		
Krause, Werner Reinhold (Jun. 54)	Mo.		
†Krebill, Raymond (Jun. 12)	Iowa		
Krebs, Myrtle Elizabeth (Univ.)	D.C.		
Kreger, Selma Davis (Jun.)	Va.		
Kreminis, Nauma (Eng. Und.)	Latvia		
Krenowitz, Leo (Col. A.M.)	N.Y.		
B.S. 1935, College of the City of New York			
†Kreuzer, Bernard Joseph (Jun.)	Wis.		
Krevelin, Muriel (Law I)	D.C.		
A.B. 1936, Pembroke College			
Kreder, Elizabeth Ann (Law I)	D.C.		
A.B. 1936, Swarthmore College			
A.M. 1937, Columbia University			
†Krieg, Abraham (Col. A.M.)	N.Y.		
A.B. 1938, Brooklyn College			
Krieger, Dorothy Joanne (Col. 84)	Iowa		
Krist, Fred George (Col. 74)	N.Y.		
Krichmal, Charles (Col. 89, Govt.)	N.Y.		
†Kroque, Evan LeRoy (Law, LL.M.)	Idaho		
A.B. 1929, LL.B. 1932, University of Utah			
Kroll, Laura Alberta (Jun. 6845)	Minn.		
Krontil, Lydia Carl (Jun. 62)	Va.		
Krueff, Maria Edward (Med II)	D.C.		
B.S. 1937, The George Washington University			
Krueger, Louise Manley (Ed., A.M.)	Md.		
A.B. 1932, Bucknell University			
†Krug, Bernard (Jun. 57)	Conn.		
Krueger, Geraldine Anneliese (Univ.; Col. 74)	D.C.		

Langaster, Blake Paul (Jun.)	Md.	Latona, Vera Vincent (Jun.)	D.C.
Langaster, Robert Mann (Med. I)	Md.	Latta, John Yates (Law I)	Va.
Landan, Ethel G. (Jun.)	Ohio	B.S. 1936, University of Pennsylvania	N.Y.
Landman, Manuel Phillip (Med. III)	D.C.	†Lattemann, Alfred William (Jun. 48)	D.C.
B.S. 1933, The George Washington University	N.Y.	†Lattimore, Jack Edwin (Jun. 1)	D.C.
†Landon, Morris (Col. 76½)	D.C.	Lauder, Dorothy Marie (Col., A.M.)	D.C.
Landrum, Leslie Willard (Jun. 12)	Mich.	A.B. 1934, The George Washington University	D.C.
†Lane, Helen Seymour (Univ.)	Va.	Laukkonen, Lempi (Jun.)	D.C.
A.B. 1928, University of Michigan		†Lauterstein, Esther (Univ.)	D.C.
Lane, James Mills (Univ.)		A.B. 1935, Brooklyn College	N.Dak.
B.S. 1926, United States Naval Academy		†Lautz, Louis John (Col. 60)	N.Y.
B.S. 1926, University of Michigan		†Lavenda, Nathan (Univ.)	Utah
†Lane, Priscilla (Jun. 17)	D.C.	Lavin, Arthur George (Jun. 50½)	Md.
Lane, Ralph Hoover (Grad., Ph.D.)	Ohio	Lavine, Isidor Morris (Med. III)	
A.B. 1929, Capital University		L.L.B. 1925, L.L.M. 1927, The George Washington University	D.C.
A.M. 1932, Ohio State University		Lavine, Stanley (Govt. 96)	Tex.
†Lane, Ruth Barton (Ed., Ed.D.)	D.C.	Law, Ira Lee (Univ.)	D.C.
A.B. 1916, Athens College		†Lawler, Norton Peter (Univ.)	Pa.
A.M. 1920, Washington University	D.C.	Lawrence, Joseph Edward (Univ.)	D.C.
Lane, Thomas Hamilton (Med. IV)		Lawrence, Patricia Jeanne (Ed. 65)	Neb.
A.B. 1936, Dartmouth College		†Lawrence, Willis Dale (Jun.)	
Lang, Lewis R. (Med. III)	Ga.	†Lawrie, Clementena Newbold (Govt., A.M.)	Oreg.
B.S. 1934, University of Georgia		A.B. 1919, The George Washington University	Md.
Langdale, Marguerite (Law II)	Ga.	Lawson, Hanna (Col. 81)	N.Y.
A.B. 1911, Georgia State College for Women		Lawson, James John, Jr. (Jun.)	Ill.
Langbe, Hope Macmillan (Jun. 30)	D.C.	Lawson, Marvin R. (Jun. 71½)	D.C.
Langbe, Stanley Walter (Eng. 38)	Wis.	Lawton, Esther Christian (Col., A.M.)	
†Langner, Edna (Univ.)	Iowa	A.B. 1932, University of Rochester	N.C.
†Langley, Charles Ernest, Jr. (Univ.)	N.Y.	Laxton, William Carter (Jun. 71)	Tenn.
Langtry, John Charles (Govt. 78)	D.C.	Layne, Aaron Alvis, Jr. (Jun.)	Pa.
Langston, Aaron Benson (Univ.)	Calif.	Layton, Cies Franklin (Jun. 42)	Minn.
A.B. 1931, University of Redlands		Lazarus, Donald Henry (Univ.)	D.C.
†Lankenau, Richard Frederick (Govt. 115)	Tex.	†Leach, Harry Kane (Jun. 31)	D.C.
†Lankford, Roberts (Univ.)	Va.	†Leane, Helen Drew (Col., A.M.)	
A.B. 1914, The George Washington University		A.B. 1918, The George Washington University	Tenn.
Lansdale, Charles Gilbert (Univ.)	D.C.	Lear, James Coates (Law III)	
Lansdale, Miriam Elizabeth (Univ.)	D.C.	A.B. 1937, University of the South	Wis.
Lapham, Evelyn (Col. 71)	D.C.	†Learnmonth, Robert Edward (Jun. 66)	Va.
Lapham, John Raymond, Jr. (Jun.)	D.C.	Leary, Donald Noble (Jun. 61)	Mass.
Lapi, Marie Sireci (Univ.)	N.Y.	Leary, Theodore Moreau (Med. IV)	
LaPia, Thomas Nicholas, Jr. (Jun.)	N.J.	B.S. 1935, Massachusetts State College	D.C.
Lapish, Catherine (Jun. 49)	D.C.	†Leatherwood, Edna Elaine (Univ.)	Md.
†LaPorte, Florence M. (Univ.)	Ill.	†LeBrell, Irene Anna (Univ.)	Va.
†Larrazolo, Mildred Tisdale (Jun. 28)	D.C.	LeBrow, Mary Ida (Law.)	D.C.
Larrick, Elizabeth Ann (Ed., A.M.)	D.C.	†Leckie, Madeleine Vaughan (Ed., A.M.)	
B.S. 1913, Madison College		A.B. 1936, The George Washington University	D.C.
Larrick, Katherine Louise (Jun. 48)	Mo.	Lecraw, John Eastman (Col., A.M.)	Md.
Larsen, Charles Arne (Univ.)	D.C.	Leder, Beverly Doris (Jun.)	Md.
Larsen, Louise (Col. 76)	D.C.	Leder, Melvin (Jun. 64)	N.Y.
Larsgaard, Clara Helen (Col., A.M.)	N.Dak.	†Lederman, Arthur Erwin (Univ.)	Tenn.
B.S. 1918, The George Washington University		A.B. 1937, Brooklyn College	Va.
†Larson, Jack Everett (Col. 94)	Okla.	Ledford, Harry Samuel (Jun.)	
Larson, John Theodore (Law.)	Minn.	†Ledman, Hornbaker B. (Eng. 82)	
Larson, Thurman August (Med. IV)	Maine	L.L.B. 1935, The George Washington University	Md.
A.B. 1934, Bowdoin College		Lee, Blair III (Law I)	Miss.
Larson, Wendell Daniel (Govt. A.M.)	D.C.	A.B. 1938, Princeton University	D.C.
B.S. 1911, University of Utah		†Lee, Harvey Atwood (Univ.)	
Laskin, Joseph (Jun.)	D.C.	†Lee, Hoburg Boteler (Univ.)	
Latham, Fred (Univ.)	D.C.	B.S. in E.E. 1936, The George Washington University	D.C.
A.B. 1928, American University		†Lee, Margo (Univ.)	N.C.
Latham, James Morris (Law II)	Miss.	A.B. 1917, Vassar College	
Lathrop, Robert Park (Eng. 90)	Md.	†Lee, Rachel (Univ.)	
Lathrop, Virginia Lee (Col. 92)	Kans.	A.B. 1928, East Carolina Teachers College	
Latimer, John Austin, Jr. (Law I)	S.C.		
B.S. 1930, Davidson College			
Latimer, John Wilmer, Jr. (Col. 74 and Med. IV)	D.C.		



# Students Registered

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†Lee, Rebecca Lawrence (Law I)	D.C.	†Levin, Henry Max (Col. 64)	D.C.
A.B. 1917, Stanford University		Levine, Aaron Arthur (Law III)	Conn.
†Lee, Winfree Gray (Univ.)	Va.	A.B. 1917, Connecticut State College	
Levee, William Alfred (Col. 90)	Conn.	†Levine, Alex Aaron (Univ.)	N.Y.
Leeper, Mary Esther (Ed., A.M.)	N.C.	†Levine, Bernard (Jun. 83)	D.C.
A.B. 1919, The George Washington University		†Levine, David Aaron (Law I)	N.Y.
Leeper, Robert Rosborough (Col., A.M.)	N.C.	Levine, David Irvyn (Col. 92)	Va.
A.B. 1914, University of North Carolina		†Levine, George (Law I)	N.Y.
Lefferts, Henry Howard (Law I)	Va.	B.S. 1926, Brooklyn College	
Leffler, William Franklin (Jun. 85; Govt.)		Levine, Harry (Law II)	N.Y.
Leikowitz, Helio (Jun.)	D.C.	B.B.A. 1911, College of the City of New York	
Leitwich, William Bordette (Med. II)	N.Y.	†Levine, Irving (Univ.)	N.Y.
B.S. 1918, Hampden-Sydney College	W.Va.	†Levine, Irving (Univ.)	Mass.
Legg, Francis Miller (Jun. 6)		Levine, Lester A. (Col., A.M.)	N.Y.
Lego, Evelyn Wildasin (Ed., A.M.)	Tex.	A.B. 1918, Brooklyn College	
A.B. 1918, The George Washington University	Va.	Levine, Sidney (Med. III)	Mass.
†Leighburn, Federico (Univ.)	D.C.	A.B. 1917, University of North Carolina	
Lehman, Anne (Ed. 98)	Conn.	†Levinson, Seymour (Col., A.M.)	N.Y.
Lehman, Daniel Webster (Ed., Ed D.)	D.C.	B.S. 1916, College of the City of New York	
A.B. 1921, Franklin and Marshall College		†Levitt, Luther F. (Jun.)	D.C.
A.M. 1925, University of Virginia		Levow, Tobias Emanuel (Law I)	N.Y.
†Lehman, Fred Augustus (Jun.)	D.C.	B.S. 1924, Chem. E. 1935, College of the City of New York	
Lehning, Thomas C. (Univ.)	N.Y.	Levy, Carol Jeanette (Jun.)	Panama
B.S. in E.E. 1915, Cooper Union		Levy, Eugene M. (Jun.)	D.C.
Leibowitz, Arthur M. (Jun. 73, Col.)	Ill.	†Lewy, Mabel Isabelle (Jun. 27)	W.Va.
†Leich, Mildred Maryland (Ed., A.M.)	Va.	Lewis, Betty Ann (Jun.)	D.C.
B.S. 1931, College of William and Mary		Lewis, Charles Spurgeon (Govt., A.M.)	Miss.
Lebeck, Arthur C. (Ed. 117)	D.C.	B.S. 1932, State Teachers College, Hattiesburg, Miss.	
Leuke, Robert M. (Law III)	N.Dak.	†Lewis, DeForest Salvador (Jun.)	Va.
A.B. 1918, The George Washington University		Lewis, Dorothy Harriet (Jun. 12)	D.C.
†LeMone, George Franklin (Govt. 73)	D.C.	†Lewis, Douglas M. (Jun.)	Iowa
Lent, Worthington C. (Col., A.M.)	D.C.	†Lewis, Elizabeth Muelter (Jun.)	N.Dak.
B.S. in E.E. 1925, Union College		†Lewis, H. Lauren (Law, LL.M.)	S.Dak.
†Lentz, Harry Arthur (Eng.)	D.C.	B.S. 1928, LL.B. 1932, University of South Dakota	
Lentz, John R. (Eng. 10)	Md.	Lewis, Herbert B. (Law II)	D.C.
†Leonard, Dorothy Janet (Univ.)	Ga.	†Lewis, Irene (Univ.)	Kans.
Leonard, Frederic B. (Eng. 80)	Md.	A.B. 1912, A.M. 1917, The George Washington University	
†Leonard, Mary Margaret (Jun.)	Ind.	†Lewis, John Douglas (Jun. 17)	Mnt. Ill.
Leonhard, Paul Byron (Law III)		Lewis, John Wesley (Law I)	
A.B. 1920, Franklin College		B.S. in Ed. 1917, Eastern Illinois State Teachers College	
†LePire, Joe P. (Jun.)	D.C.	Lewis, Linwood Harland (Univ.)	Va.
Lepper, Mark Hummer (Med. III)	Md.	Lewis, Martha Amanda (Col. 82 1/2)	Ga.
A.B. 1938, The George Washington University		Lewis, Melvin Paul (Univ. 91)	D.C.
†LePrince, Charles Edward, Jr. (Jun., Uncl.)	Ark.	†Lewis, Odell David (Jun. 26)	Ark.
†Lerch, Archer Lynn (Law II)	Fla.	†Lewis, Ralph Selzer (Law I)	Pa.
A.B. 1917, University of California		B.S. in Eng. 1912, University of Maryland	
Lerch, Janet Maude (Jun. 76; Ed.)	Va.	Lewis, Ruth Edith (Col., A.M.)	Maine
Leriger, Lina Rose (Ed. 96)	P.R.	A.B. 1917, University of Maine	
†Lerner, Eugene Morris (Col. 85)	Neb.	Lewis, Thelma White (Ed., A.M.)	Va.
†Leslie, Harry (Charles (Law I)	N.Y.	B.S. 1918, Maine College	
B.S. 1919, New York University		Lewis, William Charles (Jun.)	D.C.
A.B. 1927, Tufts College	Mass.	Lewis, William D. (Med. III)	D.C.
Lester, Allen Henry (Univ.)		Leyman, John Martin (Univ.)	D.C.
A.B. 1927, Tufts College		L'Hourenx, Robert Defer (Col., A.M.)	N.H.
Lester, Sydney (Jun. 13)	Ohio	A.B. 1917, St. Anselm's College	
†Lewin, Annie Louise (Univ.)	Va.	Libbey, Harrison Wm (Govt., A.M.)	N.H.
A.B. 1937, Reed College		A.B. 1915, Dartmouth College	
†Levans, Jal Reid (Jun.)	D.C.	†Liberman, Sylvia Ruth (Law I)	N.Y.
†Levenson, Irving (Univ.)	Pa.	A.B. 1919, University of Rochester	
†Leventhal, Morris (Col. 116)	N.Y.	Licht, Anne (Jun. 1921)	D.C.
Lever, Roy (Law I)	N.J.	Liberman, Emma Gertrude (Col. 120)	D.C.
Levering, Robert Woodrow (Law III)	Ohio	†Licht, Helen Elizabeth (Univ.)	D.C.
A.B. 1936, Denison University		Libel, Uner (Uncl., Ph.D.)	Conn.
Levesque, Alston Leslie (Jun. 12)	D.C.	A.B. 1926, Central College	



†Ladd, Irene I. (Jun.)	Iowa	Little, Frances Lucille (Univ.)	D.C.
†Lieberman, Melvyn Sidney (Jun.)	D.C.	Little, John Cochran (Univ.)	D.C.
†Lieberman, Milton Douglas (Univ.)	Pa.	Little, Robert Cleveland (Jun. 27)	N.Y.
A.B. 1926, Pennsylvania State College		Little, Wendell Erasmus (Law II)	N.Mex.
†Lieberman, Solomon (Univ.)	N.Y.	A.B. 1932, University of Texas	
A.B. 1938, Brooklyn College		A.M. 1930, American University	N.Y.
†Liebling, Joel Robert (Jun. 42)	D.C.	Littman, Richard Anton (Jun. 21)	D.C.
Lischutz, Seymour (Jun. 16)	N.J.	Littman, Simon (Ed. 69)	
Lisht, James Wynson (Jun. 42-43)	Ga.	LL.B. 1931, University of Maryland	Tenn.
Lichtfoot, Herbert Claiborne (Jun. 6)	D.C.	Livingston, Eleanor (Col., A.M.)	
†Lichtfoot, Mabel VanHorn (Jun. 38)	Va.	A.B. 1938, The George Washington University	D.C.
†Lichtsey, Lark Talley (Univ.)	S.C.	Livingston, Gordon H. (Law I)	
Ligon, John Fulton (Univ.)	Md.	B.S. 1934, University of Maryland	Tenn.
†Liles, Ruth Ellen (Ed. 56)	Md.	†Livingston, Mary Jane (Univ.)	
Lilienfeld, Werner Max (Jun. 100; Col.)	D.C.	A.B. 1939, The George Washington University	Miss.
Lilly, Merton Bragard (Law I)	Ohio	Livingston, Nell (Jun.)	D.C.
A.B. 1933, Oberlin College		Livingstone, Earl Leslie (Univ.)	Utah
Lincoln, Evelyn Newton (Law II)	Nebr.	Lloyd, Max George (Law III)	D.C.
A.B. 1929, University of Nebraska		Lloyd, Ross Summers (Jun.)	D.C.
Lincoln, Marjorie Gould (Univ.)	D.C.	Lobel, Rebecca B. (Univ.)	D.C.
†Lincoln, Norman Shepard (Univ.)	D.C.	†Locke, Marguerite (Univ.)	
Lind, Harold Kingsley (Jun. 65)	Wis.	D.D.S. 1931, Western Reserve University	D.C.
Lindeman, John Bruce (Col., A.M.)	N.C.	†Lockwood, Katherine (Law, Uncl.)	
A.B. 1937, The George Washington University		LL.B. 1931, The George Washington University	Idaho
Lindheimer, Marcel (Jun. 54)	N.Y.	Lockwood, Richard Henry (Univ.)	Mo.
Lindley, Frank (Law I)	S.Dak.	Loeffler, Orville Hugo (Col., A.M.)	
A.B. 1938, Dakota Wesleyan University		A.B. 1937, The George Washington University	N.Y.
Lindow, Wesley (Govt., A.M.)	D.C.	†Loehr, Lester Fredric (Univ.)	D.C.
A.B. 1911, Wayne University	Fla.	Lohmann, Marijane (Univ.)	D.C.
Lindsay, Herbert Francis (Jun. 21)		Lohr, Elva Gladding (Col. 97)	Wis.
Linebarger, Wayne Wentworth (Jun. 75; Col.)	D.C.	Loker, James U. (Govt., A.M.)	
†Lineberger, Clyde Alexander (Jun.)	N.C.	Ed.B. 1931, State Teachers College, Oskosh	
Linehan, Robert William (Jun. 64)	N.Y.	A.B. 1932, Carroll College	D.C.
Lingamfelter, Charles Brown (Jun. 59)	W.Va.	Lomonos, Boris M. (Univ.)	
†Lingebach, Josephine Cecelia (Univ.)	D.C.	B.S. in M.E. 1938, Robert College	
Lingerman, Herman Adam (Col., A.M.)	Pa.	M.S. in M.E. 1939, University of Michigan	D.C.
B.S. 1934, Haverford College		Lomonos, Vladimir M. (Univ.)	
Lingreen, Edna Marion (Law I)	Iowa	B.S. in E.E. 1938, Robert College	
A.B. 1934, A.M. 1935, State University of Iowa		M.S. in E.E. 1939, University of Michigan	D.C.
†Linsinger, Fred Tobias (Law I)	Pa.	Long, Edith K. (Ed. 1934)	D.C.
A.B. 1940, Pennsylvania State College		†Long, Florence Adelaide (Col. 73)	D.C.
†Link, Julius Harold (Eng. 126)	Md.	Long, Helen Faye (Jun. 6)	N.Y.
Link, Robert Edwin (Jun. 6)	Conn.	†Long, Henry (Univ.)	
Link, Robert O. (Jun. 54; Col.)	Pa.	A.B. 1932, School of Architecture, Paris, France	D.C.
Linton, Theodore Moore (Col. 130)	D.C.	Long, James Walling (Med. I)	D.C.
†Lintz, Hortense Morris (Unl. 109)	Va.	Long, Roy (Jun. 1)	D.C.
†Lippitt, Thomas Perry (Jun.)	D.C.	†Long, William Robert (Univ.)	D.C.
Lippman, Charles (Jun. 29)	N.Y.	Longmire, George (Law I)	
†Lippolt, Paul Finch (Jun.)	Ill.	A.B. 1938, Lincoln Memorial University	D.C.
Lipps, Elliott E. (Ed., A.M.)	N.Y.	Loops, Frank W. (Eng. 14)	D.C.
A.B. 1930, College of the City of New York		Lorenz, Frederick Sheets (Med. III)	
†Lipschutz, David (Univ.)	N.Y.	A.B. 1934, Pomona College	Md.
Lipscomb, Bernard Roland (Univ.)	D.C.	†Lorenz, Hilda Marie (Jun.)	D.C.
†Lipscomb, Cora E. (Univ.)	D.C.	Loring, Albert Warner (Jun. 85)	D.C.
†Lipscomb, Harold Roberts (Univ.)	D.C.	†Loring, Charlotte Booth (Jun. 47)	Pa.
M.D. 1916, Emory University		Loranzo, Virgil Alfred (Med. III)	
Lipshitz, Fannie (Law III)	N.Y.	A.B. 1938, The George Washington University	Pa.
A.B. 1931, Hunter College		Lothrop, Rex Elias (Grad., Ph.D.)	
†Lipske, Marjorie Sybil (Jun. 57)	D.C.	B.S. 1930, Tulane University	
†Lipsky, Irving (Univ.)	N.Y.	M.S. 1928, University of Washington	
†Lipsky, Irving Ralph (Univ.)	D.C.	Lowther, Augustus, Jr. (Govt. 103)	Md.
†Lissner, Mildred B. (Univ.)	N.Y.	Loube, Samuel (Col. 66)	D.C.
Lithgow, James Norman (Jun.)	D.C.		
Litovitz, Raymond (Jun. 63; Govt.)	N.Y.		
†Little, Bower (Univ.)	W.Va.		
Little, Doris Marie (Jun. 32)	D.C.		

# Students Registered

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Lovelace, Jewel (Univ.)	D.C.	†Lyell, Anne Waters (Univ.)	D.C.
Loveland, George Wilbur (Jun.)	Mass.	Lyden, Cyril Patrick (Univ.)	Pa.
Lovell, Ralph Hamilton (Govt. 104)	Md.	†Lyden, Thomas Cyril (Univ.)	Pa.
†Lovell, Rosalind Virginia (Law I)	Ohio	Lynn, Nicholas John (Jun.)	Pa.
A.B. 1939, The George Washington University		Lynn, Joseph Jacob (Law III)	D.C.
Lovingood, Frank Smith (Med. II)	Tenn.	A.B. 1933, Brown University	
A.B. 1938, University of Tennessee		Lynn, Louis (Govt., A.M.)	D.C.
Low, Ethel Klavans (Law I)	D.C.	A.B. 1911, L.L.B. 1914, The George Washington University	
A.B. 1914, A.M. 1919, The George Washington University		Lynch, Thomas Fleming (Law III)	Mont.
Low, Chester Fillmore (Jun. 35)	D.C.	Lynde, Walter Leiland (Law I)	Ohio
†Low, Edith Blinston (Univ.)	D.C.	†Lynn, John S. (Univ.)	Wash.
A.B. 1911, A.M. 1912, The George Washington University		B.Eng. 1931, Northwestern University	
Low, Harry Lincoln, Jr. (Univ.)	Pa.	Lynn, Lyman Duval (Govt., A.M.)	Wash.
Low, Ruth Virginia (Jun. 71)	W.Va.	A.B. 1919, The George Washington University	
Lowell, May Irene (Univ.; Ed. 104)	D.C.	Lynn, Wallace Parsons (Univ.)	D.C.
Lowinger, Armand (Law I)	N.Y.	A.B. 1928, The George Washington University	
B.S. 1911, College of the City of New York		Lyon, Jerome Frederick (Eng. 61)	Nebr.
A.M. 1918, The George Washington University		Lyon, Robert Melton (Law I)	Tex.
Lowrey, Gladys T. (Univ.; Ed. A.M.)	D.C.	B.S. 1914, University of Texas	
A.B. 1911, Lincoln University		†Lynn, Daniel M. (Ed., A.M.)	N.Y.
B.S. 1912, The George Washington University		A.B. 1929, Brooklyn College	
Lowry, Royce Llewellyn (Jun. 62)	Wash.	Lynn, Ernest Louis (Ed., A.M.)	D.C.
†Lowry, Warrington Stokes (Univ.)	D.C.	B.S. 1917, Wilson Teachers College	
Lozapone, Constantine Edward (Univ.)	Md.	Lytle, Margery Alaura (Col. 105)	D.C.
B.S. 1915, University of Maryland			
Lucas, Allene Myrle (Ed. 72)	D.C.		
Lucas, Bertha (Ed., A.M.)	D.C.		
A.B. 1923, The George Washington University			
†Lucas, Charles William (Jun. 31)	Va.		
Lucas, Ethel Mae (Ed., A.M.)	D.C.		
Th.B. 1930, B.S. 1931, Gordon College of Theology and Missions			
†Lucas, Mildred Foster (Jun. 53)	Va.		
Lucyk, Elias Alexander (Univ.)	Pa.		
†Ludke, Martha Barbara (Jun.)	D.C.		
Ludwig, Catherine Doris (Ed. 78)	D.C.		
Luginbuhl, Kathryn Louise (Jun. 91)	Ohio		
†Lupold, Avis Lane (Univ.)	Md.		
Lupold, George Frederick (Jun. 59)	D.C.		
A.B. 1918, University of Minnesota	Minn.		
†Lusden, Florence M. (Ed., Ed.D.)	Md.		
A.B. 1929, A.M. 1930, Cornell University			
†Lund, Roland James (Ed., A.M.)	D.C.		
B.S. 1912, University of Illinois			
Lund, Walter Vikerval (Univ.)	D.C.		
Lund, Yappa (Univ.)	D.C.		
B.S. 1916, M.S. 1920, Utah State Agricultural College			
Luntun, Clifford Pierce (Ed., A.M.)	D.C.		
B.S. 1919, Wilson Teachers College			
†Lupo, Raphael Matthew (Univ.)	N.Y.		
Eng. 88			
B.S. in C.E. 1922, Cooper Union			
Lurig, Christine Grace (Jun. 12)	D.C.		
Lushy, John Lee (Jun. 20)	D.C.		
†Lushy, Mildred Ruth (Univ.)	D.C.		
A.B. 1911, The George Washington University			
†Lussy, Leo (Univ.)	N.Y.		
A.B. 1916, Brooklyn College			
Lutes, Willard Teller (Law I)	Calo.		
A.B. 1929, University of Denver			
Lutz, Charles Edward (Eng.)	Pa.		
Lyche, Avis Joan (Jun.)	D.C.		

## M

Mabey, James Nance (Jun. 55)	Calo.
†Mabey, Mary Harnon (Col., A.M.)	D.C.
B.S. 1914, University of Minnesota	
†MacArthur, Henry (Univ.)	D.C.
MacArthur, Mary Newton (Univ.)	D.C.
A.B. 1929, University of Denver	
†MacCles, Robert Wright (Col. 95)	D.C.
†MacCall, John Milroy (Univ.)	Iowa
B.S. 1927, Iowa State College	
M.S. 1928, New York University	
†MacDermid, Florence (Univ.)	D.C.
MacDonald, Elizabeth C. (Ed., A.M.)	Md.
B.S. 1921, University of Wisconsin	
†MacDonald, Gertrude Ellen (Univ.)	D.C.
B.S. 1916, New York State College for Teachers	
MacDonald, Gordon Rhodes (Med. I)	Ohio
B.S. 1929, University of Toledo	
†MacDonald, Guy Theodore (Jun. 110)	Fla.
†MacDonald, Lawrence Roderick (Jun.)	Va.
MacDonald, Warren Hastings (Jun.)	Va.
MacFarland, Perry (Ed. 86)	Ohio
MacKenzie, William Stanley (Eng. 46)	Md.
MacKenzie, Mary Lucia (Col., A.M.)	D.C.
A.B. 1928, The George Washington University	
*MacKella, James Louis (Pharm. 119)	D.C.
MacK, James Edward (Univ.)	Fla.
MacK, John Howard (Law I)	Md.
B.S. 1917, University of New Hampshire	
MacKenzie, Alan Roderick Seaforth	Ohio
(Col. 96)	
†MacKenzie, Danlap Ambrose (Jun. 22)	D.C.
MacKenzie, Myra Grace (Univ.)	Conn.
MacKert, Charles LeRoy (Ed., Ed.D.)	Md.
B.S. 1921, A.M. 1924, University of Maryland	
†MacKey, George McLaurine (Univ.)	D.C.
B.S. 1915, Wilson Teachers College	
A.M. 1920, The George Washington University	

Mackey, Wilbur (Univ.)	Va.	Malone, Frank Allison (Law II)	Kans.
MacKinnon, Gordon A. (Col. 81)	Vt.	A.B. 1937, Municipal University of	
MacKinnon, Kathryn Rogers (Univ.)	D.C.	Wichita	
Mackie, James Wilson (Law III)	Ala.	†Maloney, Emma Jane (Ed., A.M.)	D.C.
†MacMillan, Ruth Edna (Col., A.M.)	D.C.	A.B. 1931, The George Washington	
A.B. 1930, The George Washington		University	Va.
University		Manch, Martin George (Jun. 21)	Pa.
Macmillan, Zebulun Lash (Col., A.M.)	D.C.	†Mancus, Eugene Edward (Jun. 13)	N.Y.
A.B. 1922, Hamilton College		Mandelbaum, Joseph (Univ.)	N.Y.
MacNeil, Winifred Agnes (Ed., A.M.)	D.C.	Mancus, Milton (Col., A.M.)	
A.B. 1918, Catholic University of		B.S. 1917, College of the City of	
America		New York	N.Y.
MacNicol, Layton F. (Jun. 67)	D.C.	Mangold, Robert John (Jun. 25)	
MacPherson, Archibald (Med. II)	Va.	Mangseth, Charlotte Berghot (Ed.	Minn.
A.B. 1919, The George Washington		1921)	Ind.
University		Mannion, Merrill Miles (Govt. 118)	Va.
MacPherson, Muriel Grace (Univ.)	D.C.	Mann, Frances Hart (Ed. 91)	D.C.
†Madden, Alda Lorraine (Jun.)	D.C.	Mann, Frank Eugene (Col. 72)	D.C.
†Madden, Mordaugh Stuart (Jun. 28)	Va.	Mann, Glenn Miller (Jun. 22)	Ca.
Madden, Myron Lewis (Univ., Law I)	D.C.	†Mann, Horace Dewey (Univ.)	D.C.
A.B. 1919, The George Washington		Mann, Jane (Col. 64)	D.C.
University		Mann, Louise Edwards (Jun.)	Va.
Madden, Edward Olof (Univ.)	Mid.	Mann, Marjorie (Jun. 24)	D.C.
†Madden, Joseph Francis, Jr. (Univ.)	N.Y.	†Mannaker, James Kenneth (Jun. 3)	
Madden, Kenneth Menefree (Univ.)	Minn.	Mannion, Maurice Lynden (Grad.	Okla.
A.B. 1917, A.M. 1918, The George		Ph.D.)	
Washington University		A.B. 1927, A.M. 1938, University	
†Madel, Bernard (Jun.)	N.Y.	of Oklahoma	D.C.
Madel, Adele Liebman (Ed., A.M.)	Ill.	Manning, Anne Marie (Jun. 32)	D.C.
B.S. 1915, Northwestern University		†Manning, John Joseph, Jr. (Univ.)	La.
Madel, Herbert (Law III)	Pa.	Manning, Marian (Col., A.M.)	
B.S. in Chem.E. 1935, University		A.B. 1915, Washington University	D.C.
of Pennsylvania		*Manning, Martha Ellen (Ed. 120)	Okla.
Magnes, Sidney (Eng. 27)	N.I.	Mansbreck, Clyde Leonard (Jan. 72)	D.C.
Magato, Mary Philomena (Ed. 62)	Okla.	Mansfield, Corinne Bostine (Univ.)	N.Y.
Magruder, Mary Virginia (Ed.,		Mantell, Leroy H. (Govt. 70)	D.C.
Ed.D.)	Va.	†Mantous, James Nicholas (Univ.)	D.C.
A.B. 1921, Randolph-Macon Wom-		Maras, Frances Anna (Ed., A.M.)	Va.
an's College		B.S. 1938, Wilson Teachers College	
A.M. 1935, The George Washington		Marcus, Leonard (Univ.)	Mont.
University		†Marques, Gwendolyn Gay (Col. 87)	D.C.
†Marple, Margaret Minton (Univ.)	D.C.	Marques, Peter (Jan. 31)	D.C.
†Marple, Marjorie (Jun. 1)	D.C.	Mark, William John (Jan. 1)	N.Y.
Marler, Daniel McKay (Eng. 3)	Va.	†Marker, George Joseph (Univ.)	D.C.
Marler, Florine Frank (Col., A.M.)	Nev.	Markes, George Harlin (Univ.)	W.
A.B. 1935, University of Nevada		Markes, Frank A. (Jan. 1)	D.C.
Marler, Robert Woodruff (Med. IV)	D.C.	Markes, Lester (Jan. 19)	D.C.
Marmore, Frances (Col., Uncl.)	Ind.	†Marks, Sally B. (Ed., Ed.D.)	
A.B. 1926, DePauw University		A.B. 1921, Southwestern State	
Marmore, Haynes R., Jr. (Col. 71)	Fla.	Teachers College	
Marmore, Hugh Francis (Med. III)	Mass.	A.M. 1931, Columbia University	Kans.
Ph.D. 1917, Boston College		†Markwell, Katherine A. (Law, S.D.)	
Marmore, Thomas Donald (Grad.,	Mass.	A.B. 1928, University of Kansas	
Ph.D.)		L.L.B. 1935, LL.M. 1945, The	
A.B. 1916, A.M. 1917, Boston		George Washington University	D.C.
College		Markwood, Ruth (Col., A.M.)	
Marr, Daniel Carr (Jun. 6)	D.C.	A.B. 1931, The George Washington	
Marr, Elwyn Russell (Univ.)	D.C.	University	N.Y.
Marler, Ruth F. (Law I)	D.C.	Marlatt, Carl S. (Eng. 75 1/2)	D.C.
Marjorie, Lucy Locke (Col. 102)	Miss.	Marlow, William Partner (Col. 101)	Va.
Marjorie, Mary Catherine (Col. 102)	Miss.	†Marquardt, Hazel Ives (Ed., A.M.)	
Mekala, Benjamin Raphael (Jun. 1)	D.C.	A.B. 1932, The George Washington	
Maki, Ellen Maria (Col. 66)	Mont.	University	D.C.
†Makinen, James Thurston (Med. I)	Calif.	†Mormer, Kathleen E. (Univ.)	D.C.
A.B. 1919, Stanford University		Mormer, Nancy Jane (Jan. 1)	D.C.
Mala, Elizabeth (Jun. 15)	N.Y.	†Morrill, Arthur Simon (Univ.)	D.C.
†Malin, Leon B. (Jun. 19)	N.Y.	†Mortgard, Sister Rosa Marie (Univ.)	D.C.
†Malita, Venizelos (Eng.)	Va.	†Mortimer, Phyllis (Univ.)	Tex.
†Mallon, Horch D. (Univ.)	D.C.	†Mort, David M. (Jan. 41)	Ala.
†Mallon, Mary Casey (Univ.)	D.C.	†Mort, William Henderson (Col. 72)	D.C.
Mallon, Samuel (Eng. 41)	D.C.	†Morton, Mary Louisa (Jan. 22)	Calif.
		Mortone, Edward Pastalan (Eng. 3)	Ky.
		†Mortis, Rhoda Jane (Univ.)	



†Marsh, Walter Gamble (Jun.) Marshall, Edwin Hayward (Law I and Univ.) M.E. 1909, Rensselaer Polytechnic Institute	Va. N.Y.	Mason, Joseph Marshall (Col., A.M.) B.S. 1939, The George Washington University	Md.
†Marshall, Jewell Elizabeth (Jun. 3)	Okla.	Mason, William Thomas (Govt. 77 8/9)	Va.
†Marshall, John T. (Univ.) B.S. 1949, The George Washington University	Calif.	†Mater, Louise Benton (Univ.)	D.C.
†Marshall, Milder Woodliff (Jun.)	D.C.	Matera, Ralph Joseph (Jun.)	D.C.
Marshall, Nor Richard (Col. 97)	Va.	†Mathes, Cona P. (Univ.)	D.C.
Marshall, Ora Lee (Law, L.L.M.) A.B. 1923, A.M. 1932, J.D. 1937, The George Washington University	Ky.	Mathews, Mary Adelaide (Col. 95)	Okla.
Marshallman, Esther Weaver (Govt., A.M.) A.B. 1949, The George Washington University	N.Y.	†Matthewson, Pauline Watson (Univ.)	Cal.
Martell, Helen Marie (Col. 102)	D.C.	Matthewson, Peter Francis (Jun. 9)	Mass.
†Martell, Helen Marie (Col. 102)	D.C.	†Matilla, Salmie (Univ.)	N.Y.
Martin, Persa Naomi (Col. 88)	D.C.	B.S.S. 1948, College of the City of New York	
Martin, Albert Rutledge (Col., A.M.) B.S. 1949, The George Washington University	S.C.	Matson, Raymond Nathan (Law I) B.S. in M.E. 1948, The George Washington University	D.C.
Martin, Alexander Campbell (Grad., Ph.D.) A.B. 1920, Oberlin College M.S. 1924, North Carolina State College	Calif.	†Matson, Richard Allen (Univ.)	Fla.
Martin, Betty Louise (Jun.)	Va.	Matson, Walter David (Law I) A.B. 1941, University of Michigan	Md.
†Martin, Betty Mae (Jun.)	W.Va.	Mattire, Mark Anthony (Jun.)	Va.
Martin, Celia Staples (Jun. 5874)	D.C.	Mattiei, Joaquin (Jun. 48)	P.R.
Martin, Clara Elizabeth (Univ.)	D.C.	Mathews, Denbigh Schuyler (Univ.)	Va.
†Martin, Edward Eugene (Univ.)	Nebr.	Mathews, Dorothy Irene (Jun.)	Iowa
†Martin, Frances Hubree (Col. 80)	D.C.	Mathews, M. Alcea (Jun. 3)	Iowa
†Martin, Helen Dolores (Ed., A.M.) A.B. 1926, Creighton University	Nebr.	Mathews, Margaret Corbin (Jun. 32)	D.C.
†Martin, Islam Lavender (Jun.)	D.C.	†Matthee, William Arthur (Col. 196)	Va.
Martin, James Edmund (Univ.)	Va.	†Mattingly, Dorothy Oliver (Univ.)	D.C.
†Martin, Joseph Vincent (Govt. 96)	N.Y.	Mattingly, Margaret Cecelia (Jun. 6)	D.C.
†Martin, Lee Roy (Col., A.M.) A.B. 1947, University of Arkansas	Ark.	Mattingly, William Fenwick (Jun. 87)	D.C.
Martin, Mary Douglass (Law II)	Ark.	Matuzsky, Edward Joseph (Jun. 18)	Mass.
Martin, Mildred Jane (Col. 104)	Va.	Matyas, Edith Marie (Jun.)	Mich.
Martin, Paul Simeon (Law II) B.S. in Eng. 1915, F.E. 1936, College of the City of New York	D.C.	Mauser, Lester (Univ.)	D.C.
Martin, Raymond Earl (Law II) A.B. 1931, M.E. 1934, Cornell University	D.C.	†Mauser, Louise Marie (Col., A.M.) A.B. 1948, Boston University	D.C.
Martin, Robert J. (Univ.) B.S. 1945, A.M. 1946, The George Washington University	D.C.	Mauser, Frank Edward (Law II) B.Fur. 1943, D.Fur. 1947, Johns Hopkins University	D.C.
†Martin, Thomas A. (Jun.)	Ill.	*Maxwell, Laurel H. (Col. 151)	Mich.
Martinez, Ruth Phillips (Ed., Ed.D.) A.B. 1924, A.M. 1937, The George Washington University	S.C.	Max, Emma Blanche (Univ.)	Va.
†Martino, Patrick (Univ.)	W.Va.	Max, Harrison Spencer (Govt. 85)	D.C.
Martinson, Burnell O. (Jun. 44)	Calif.	†May, Helen Virginia (Univ.)	D.C.
†Martinson, Stephen Henry (Univ.)	D.C.	†May, Irving (Col., A.M.) B.S. 1928, College of the City of New York	N.Y.
†Martins, John W. (Univ.)	N.I.	May, Robert Emmet (Univ.)	D.C.
Martin, Herbert Everett (Med. I) B.S. 1949, Georgetown University	D.C.	†May, Walter Ernst (Univ.)	Miss.
†Mazzilano, Dominus Peter (Univ.)	N.Y.	May, Walter (Law I) A.B. 1938, American University	D.C.
†Masker, Mary Baker (Univ.)	N.I.	Mayer, Charles Cornwall (Jun.)	D.C.
Mason, Charles Middleton (Law I) A.B. 1938, Furman University	Md.	Mayer, John Donald (Law I) A.B. 1938, University of Wyoming	N.Y.
Mason, John Clarke (Law III)	N.C.	Mayer, Mary Margaret (Jun. 21)	Ill.
Mason, Joseph Locke (Univ.)	D.C.	Mayer, Rosa Bernice (Jun. 1)	D.C.
		Marshall, Edwin Lee (Col. 76)	Ind.
		Mason, Thomas Joseph (Univ.) A.B. 1937, A.M. 1948, Bucknell University	Pa.
		†Mason, Alfred Glen (Univ.)	Okla.
		†Mason, Betty Pearl (Jun.)	D.C.
		M. Adams, Alfred Heinzen (Jun. 112)	Ky.
		M. Adams, Eugene Pope (Col., A.M.) B.S. 1949, The George Washington University	Ky.
		†McAdams, John P. (Eng. 40)	Md.
		McAfee, George Deshon (Med. III) B.S. 1937, University of Virginia	Colo.
		†McAlebe, Marion Wright (Univ.)	La.
		McAllister, Frank D. (Col., A.M.) A.B. 1932, The George Washington University	Ark.
		†McAllister, Gerald James (Jun. 19)	D.C.
		†McAllister, Jean (Univ.)	Nebr.
		McAllister, William Gains (Jun. 28)	Iowa

†McArthy, Willard B. (Univ.)	D.C.	†McCreary, Eunice (Univ.)	Ala.
†McAskill, Harold Arthur (Jun.)	Mass.	†McCreight, Leon Gilbert (Jun.)	Kans.
McBurney, Mary Marshall (Col. 127)	Md.	†McCrensky, Edward (Univ.)	Mass.
McCabe, Catharine Genevieve (Univ.)	D.C.	A.B. 1933, Boston College	
†McCabe, William John (Ed., A.M.)	Pa.	Ed.M. 1935, Boston Teachers College	D.C.
B.S. 1937, University of Scranton		McCubbin, John Grason (Jun.)	D.C.
McCabe, William Ward (Col. 112;		†McCullers, Thomas Phillip (Jun.)	D.C.
Univ. and Law I)		McCulloch, Mary Linn (Col. 81)	Calif.
A.B. 1940, The George Washington	Ky.	McCulloch, Robert James (Med. II)	Pa.
University		†McCullough, Jane Elizabeth (Jun. 39)	D.C.
†McCall, Robert Clarke (Govt. 115)	Mont.	McCullough, Robert William (Eng. 15)	D.C.
McCall, Thomas John (Jun. 56)	Ill.	†McCune, John Wesley (Law II)	Ark.
McCamy, Margaret Elizabeth (Univ.)	N.J.	A.B. 1937, University of Colorado	
A.B. 1941, Rutgers University		McCutchen, Duval Talmadge (Law I)	
McCann, Lois Katherine (Jun.)	D.C.	A.B. 1928, The George Washington	
McCann, Mary Ann (Jun. 4)	D.C.	University	
McCarter, Dallas Haven (Jun. 32)	Tex.	Ph.D. 1938, University of Penn-	
†McCarthy, Anna Helena (Univ.)	Va.	sylvania	Mo.
McCarthy, Edward J., Jr. (Col. 99)	Ohio	†McDaniel, Dorothy Jane (Univ.)	N.C.
McCarthy, Emmett Joseph (Col. 82)	Mont.	McDavid, Marion Foy (Law III)	
McCarthy, Robert Joseph (Jun.)	N.I.	A.B. 1932, Davidson College	N.H.
McCarthy, Thomas Francis (Jun. 16)	N.Y.	†McDermott, Edward Joseph (Jun.)	Calif.
†McCarty, Benjamin Frederick (Jun. 6)	Va.	McDill, Alexander Stuart (Law III)	
McCarty, Lia (Col. A.M.)	Okl.	B.S. 1926, United States Naval	
A.B. 1924, University of Kansas		Academy	
†McCarville, Geraldine Margaret		McDonald, Elizabeth George (Col.	Va.
(Univ.)	S.Dak.	A.M.)	
A.B. 1937, College of St. Cath-		A.B. 1931, Hillsdale College	Okl.
erine, Minnesota		†McDonald, Gorman A. (Jun. 30)	S.Dak.
†McCauley, Howard Dewey (Eng.)	D.C.	†McDonald, Margaret (Jun. 50)	
†McCaw, Frederick (Univ.)	Id.	McDonald, Reginald Franklin	Miss.
B.S. 1935, University of Maryland		(Jun. 30)	Nebr.
McGay, George (Law, LL.M.)	S.C.	McDonald, Richard Otto (Law I)	D.C.
B.S. 1912, College of Charleston		McDonald, Robert Frank (Eng. 6)	D.C.
LL.B. 1915, The George Washing-		†McDonnell, Louise H. (Univ.)	Iowa
ton University		McDonnell, Doris Lela (Jun. 24 45)	Va.
McGay, Muriel Edith (Law, LL.M.)	S.C.	†McDowell, Frances B. (Univ.)	D.C.
B.S. 1932, College of Charleston		McDowell, Margaret Audrey (Ed. 81)	D.C.
LL.B. 1935, The George Washing-		McDuffie, Edna Virginia (Univ.)	D.C.
ton University		McElhowney, Grace (Law, Spec.)	
McClare, John Kenneth (Law II)	N.Y.	A.B. 1918, Smith College	
A.B. 1927, Yale University		LL.B. 1932, The George Washing-	
McClelland, Casper Shepard (Ed., A.M.)	Pa.	ton University	
LL.B. 1934, A.B. 1929, The George		McElhinney, Benjamin Harrison (Govt.,	Tex.
Washington University		A.M.)	
McClenon, Barbara (Univ.)	Id.	A.B. 1934, University of Texas	Pa.
McClenon, Paul Robert (Jun. 32)	Id.	McElroy, Richard Frederick (Jun.)	Id.
†McCloskey, Benjamin Cortright (Eng.,	Id.	McElroy, Irene Sevenson (Jun. 32)	Miss.
Univ.)		McElroy, William Goodrich (Jun. 15)	Ind.
A.B. 1918, University of Maryland		McFadden, Zoe Charlotte (Law I)	
McCloskey, Gloria Ruth (Jun.)	Va.	A.B. 1927, The George Washington	
McCloskey, Myra Elizabeth (Jun. 27)	D.C.	University	
†McCluer, Betty Belle (Jun.)	W.Va.	McFarland, Edward Atkinson (Med.	Maine.
McClure, Forrest Fletcher (Law II)	Mo.	IV)	
A.B. 1937, University of Missouri		B.S. 1936, Bowdoin College	Va.
McCluney, Jack Clay (Law I)	Mo.	McFarland, Marian B. (Ed., A.M.)	
A.B. 1930, University of Missouri		B.S. 1921, University of Washington	
McClure, William Jasper (Ed., A.M.)	D.C.	A.M. 1929, State College of Wash-	
A.B. 1916, Westminster College		ington	Fla.
A.M. 1937, Gifford College		†McFarland, Marie Lucile (Univ.)	Okl.
McComas, Earl W. (Ed., A.M.)	Calif.	McFeters, Marvin Clyde (Jun. 45)	Ohio
B.S. 1916, University of California		†McGhee, Kathleen Davis (Jun. 12)	D.C.
McComas, William Taylor (Law III)	W.Va.	†McGhieley, Luel Virginia (Jun.)	W.Va.
McComb, Lucille Wright (Univ.)	D.C.	McGinnis, Charles Ernest (Law I)	
McCombe, Gale Ross (Jun. 10)	Kans.	A.B. 1918, Ohio University	D.C.
McConkey, John Irving (Jun. 37)	N.Y.	McGinnis, Frank Michael (Jun. 63)	Va.
†McConnell, Guy Raymond (Jun.)	Kans.	†McGinnis, Lawrence Gene (Univ.)	D.C.
McConel, Vincent Paul (Univ.)	Pa.	McGladie, Lawrence (Jun.)	Ind.
†McConrack, Eva Compton (Univ.)	D.C.	McGloth, Floyd Maynard (Jun. 46 45)	D.C.
McConrack, Helen Catherine (Univ.)	D.C.	McGloth, Ross Clark (Jun. 51 53)	D.C.
McCown, William Dewell (Govt. 93)	D.C.	McGloth, J. Mansford (Univ.)	D.C.
McCracken, Louis Arthur, Jr. (Jun.)	La.	McGraw, Doris Jane (Jun. 64)	
†McCrann, Edward Thomas (Law I)	Conn.		



# Students Registered

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McGroary, Thelma Dick (Law II) A.B. 1927, Berea College	Ky.	McNeil, Helen Elroy (Col. 94)	D.C.
McGurrian, James Joseph, Jr. (Jun.)	Pa.	McNutt, Harlan Page, Jr. (Med. I)	Wash.
McHale, James Francis S. (Ed., A.M.) B.S.S. 1916, College of the City of New York	N.Y.	McPhee, Robert Gordon (Univ.) B.S. in M. E. 1918, Tufts College	Mass.
McHugh, John Edward (Univ.)	D.C.	McPherson, Gene E. (Eng.)	D.C.
McIlwee, James Taylor (Jun. 9)	D.C.	*M. Pike, Eugenia Williams (Col. 120)	D.C.
McIndoo, Mary Velisha (Univ.) A.B. 1918, Indiana University	Ind.	McQueen, James Russell, Jr. (Law I) A.B. 1919, St. John's College	Md.
McIntire, Annabelle (Law I) A.B. 1910, Wittenberg College B.S. in L.S. 1935, Louisiana State University	Ohio	McRae, Robert Bruce (Law I) A.B. 1922, American University	Nebr.
*McKean, David A. (Univ.)	N.Y.	*McReynolds, James Shaw (Jun. 32)	Ill.
McKean, Lois (Univ.)	Meb.	*McShane, John Bernard (Univ.)	Vt.
McKeenie, James (Jun. 12)	Ohio	McSwain, Charlton Coomer (Col. 88)	S.C.
McKee, Theodore Roosevelt (Eng. 98)	Md.	*McTearney, Robert Charles (Jun. 14)	Ill.
*McKenzie, Mary Elizabeth (Ed., Ed D.) A.B. 1924, Oberlin College	Va.	McWhitt, Joe Russell (Jun. 61)	D.C.
*McKenzie, Mildred Moore (Univ.) B.S. 1911, University of Tennessee	D.C.	Meade, Arthur Edward (Jun. 12)	Va.
McKey, Richard Kendall (Univ.)	Utah	Means, Ellen Marguerite (Jun. 24)	Pa.
McKiever, Charles Fitzgerald (Jun. 10)	S.C.	Meeks, Marion Newbold (Jun. 21)	D.C.
McKinney, Eugene Bradley (Law II) B.S. 1927, United States Naval Academy	Oreg.	*Meeks, Robert Harvey (Eng.)	D.C.
*McKinnie, William (Govt., A.M.) B.S. 1914, North Dakota State College	N. Dak.	Mears, Thomas Wood (Col. A.M.) B.S. 1919, University of Maryland	D.C.
*McKirdy, Louise (Univ.) A.B. 1916, University of Pittsburgh	Pa.	*Medvene, Mark Julius (Univ.)	N.Y.
McKnight, Merwyn Newell (Eng., Und.) B.S. in M.E. 1938, The George Washington University	Va.	*Meeks, William Hamilton (Jun. 11/5)	Va.
McKnight, Merwyn Newell, Jr. (Col. 96)	Va.	Meeks, Edward Douglas (Jun. 20)	Idaho
McKool, Olin Syfret (Univ.)	Fla.	Meeks, Olive Margery (Col. 68)	D.C.
McLaughlin, Michael (Jun. 62; Col.)	Tex.	Mears, Lois Howell (Ed., A.M.) A.B. 1927, The George Washington University	D.C.
*McLaughlin, Jessie S. (Univ.)	Conn.	Melin, Grace Hathaway (Ed. 61)	D.C.
McLaughlin, Charles Franklin (Univ.) A.B. 1937, The George Washington University	N.Y.	Mellor, John Edward (Jun. 11)	N.Y.
McLaughlin, Hugh Sinclair, Jr. (Univ.)	Mass.	Melton, Mary Thornton (Ed., A.M.) A.B. 1929, Brenau College	D.C.
*McLaughlin, Jean (Univ.)	D.C.	Meltzer, Allen Elias (Jun.)	N.Y.
McLaughlin, John Avis (Govt. 70)	Md.	*Melvin, Andrew Fuller (Jun.)	Calif.
McLaughlin, William R. (Jun. 26)	N.C.	Mendler, William Robert (Govt. 85)	D.C.
McLaurin, Estel (Univ.)	S.C.	*Mendelsohn, Nathan (Univ.)	N.Y.
McLean, Ralph C. (Univ.)	D.C.	*Mendelsohn, Milton Harold (Univ.) A.B. 1918, College of the City of New York	N.Y.
*McMahon, John Patrick (Col. 95)	D.C.	Mendelson, Irving P. (Govt. 70)	D.C.
McManus, William Joseph (Jun. 6)	D.C.	Mender, Mangel Isaac (Law I) A.B. 1927, The George Washington University	Panama
McMichael, Aleta (Jun. 27)	Ariz.	*Mendham, Alice Cae (Univ.) A.B. 1915, Barnard College	Md.
*McMillan, Thomas Sandus (Law I and Univ.)	Va.	Meneghetti, Louis Alfred (Eng. 15)	Colo.
A.B. 1940, University of South Carolina	S.C.	*Meneghetti, Pete E. (Jun.)	Colo.
McMillen, Jack Robert (Jun. 62)	Va.	*Menely, Robert C. (Univ.)	Ill.
McMullen, Albie Harold (Univ.)	D.C.	Mengarini, Ariel Alday Anteo (Jun. 55)	D.C.
McMullen, Barbara Weems (Med. II)	D.C.	*Merke, Katharine Robbie (Univ.) A.B. 1927, Ohio Wesleyan Uni- versity	Ohio
McMullen, Donald Frederick (Jun. 10)	D.C.	M.S. 1934, New York University	
McNamara, Alexander Peter (Med. III)	D.C.	*Meresh, Frances Levitas (Univ.)	N.Y.
McNeely, John Hamilton, Jr. (Univ.) A.B. 1918, American University	D.C.	Meresh, Ivan Norman (Col. 100)	D.C.
A.M. 1919, The George Washington University	D.C.	*Mereditth, Guy Pittman (Univ.)	S.C.
*McNeese, Marie Garland (Col., A.M.) A.B. 1939, The George Washington University	D.C.	Merelman, Josephine Davis (Jun. 12)	D.C.
McNeese, Susan (Jun.)	D.C.	Merelman, Muriel Charlotte (Col. A.M.)	D.C.
McNeil, Ann Rosalie (Jun. 12)	N.J.	A.B. 1919, The George Washington University	
McNeil, George Elroy (Jun. 32)	D.C.	*Merkley, Robert Louis, Jr. (Univ.)	Ariz.
		Merles, Harry (Jun. 16)	N.J.
		Merrell, Mark (Law Spec.)	Va.
		Merrick, John Blake (Med. II)	Va.
		A.B. 1918, Colgate University	
		Merritt, Margaret Reed (Ed., Ed D.) A.B. 1920, A.M. 1927, The George Washington University	D.C.
		*Merison, Clarence Earl (Eng., Und.) B.S. in M.E. 1933, Oregon State Agricultural College	Oreg.



Merwin, Stuart Randolph (Eng., Uncl.)	Okla.	Miller, Frank Richard (Govt., A.M.)	Utah
B.S. 1917, University of Oklahoma		A.B. 1940, The George Washington University	
Messer, Nathan (Jun. 28)	N.Y.	†Miller, Garold Franklin (Univ.)	Va.
Messinger, Marie Dorothy (Govt. 67)	D.C.	†Miller, Gerald Nolle (Jun.)	D.C.
†Metcalf, Josephine (Univ.)	N.Y.	†Miller, Howard Wendell (Univ.)	Kans.
A.B. 1916, Smith College		†Miller, Jack (Jun. 15)	D.C.
Metzger, Heloise Michelle (Jun.)	Pa.	†Miller, James Estella (Univ.)	Mo.
†Metzger, Louis William, Jr. (Eng.)	Va.	†Miller, Jane Carter (Jun. 64)	D.C.
Metzger, Mary Evelyn (Univ.)	Pa.	†Miller, Jessie Wells (Univ.)	D.C.
Mewshaw, Elizabeth Savase (Ed., Ed.D.)	D.C.	†Miller, John Edward (Jun. 19)	D.C.
A.B. 1912, A.M. 1914, The George Washington University		†Miller, Joseph (Govt. 67 1/2)	N.Y.
Meyer, Charles Frederick (Grad., Ph.D.)	Mich.	†Miller, Kenneth Albert (Ed., A.M.)	Pa.
B.S. 1915, Pennsylvania State College		A.B. 1914, Bucknell University	Mo.
A.M. 1917, The George Washington University		†Miller, Kenneth Dobson (Law II)	
Meyer, Herbert (Law III)	Calif.	A.B. 1912, Denry College	Wis.
B.S. 1924, University of California		†Miller, Leonard William (Univ.)	
†Meyer, Jeanne Gerow (Col. 92)	D.C.	Ed. B. 1918, State Teachers College, Superior, Wis.	Kans.
†Meyers, Mary Ream (Jun. 60)	D.C.	†Miller, Linda West (L.S. Uncl.)	
†Meyerson, Herbert (Univ.)	N.Y.	A.B. 1931, Fort Hays Kansas State College	Va.
†Michael, James Roy (Eng. 16)	W.Va.	†Miller, Lula Alice (Univ.)	
†Michael, Morris Irwin (Med. II)	D.C.	A.B. 1922, Bridgewater College	
A.B. 1918, Cornell University		A.M. 1926, University of Virginia	Md.
Michael, Ralph Hubert (Med. I)	D.C.	†Miller, Mary Virginia (Col. 80 1/2)	D.C.
Michael, William Leo (Jun.)	W.Va.	†Miller, Metle Belva (Jun. 12)	D.C.
Michaelis, Lothar (Law III)	D.C.	†Miller, Morris (Univ.)	D.C.
Michaelson, Ruth G. (Jun. 21)	Mich.	†Miller, Paul (Jun.)	D.C.
Michaelson, Harry (Jun. 8)	D.C.	†Miller, Pauline A. (Univ.)	Pa.
†Michelson, Irving (Jun. 21)	N.Y.	†Miller, Ruth Margaret (Jun.)	D.C.
†Michigan, Norman (Law I)	D.C.	†Miller, Walter LeRoy, Jr. (Med. I)	
A.B. 1918, New York University		B.S. 1920, University of Maryland	Ariz.
†Mickel, Salwa Jean (Jun.)	D.C.	†Miller, Wilson Shannon (Univ.)	
†Mickelson, Walter (Law I; Govt., A.M.)	Wash.	A.B. 1919, University of Michigan	D.C.
B.B.A. 1911, University of Washington		†Miller, Woodrow Wilson (Univ.)	N.Y.
†Micotti, Nellie Atkinson (Govt. 00)	D.C.	†Millman, Max (Law I)	
Miday, Cesarie Josephine (Univ.)	Ohio	B.S. 1917, College of the City of New York	D.C.
†Middaugh, John Stuart (Col. 08)	Mich.	†Millner, Elliott (Univ.)	Md.
†Middleman, Elizabeth (Ed., A.M.)	D.C.	†Mills, Mary Stuart (Ed., A.M.)	
A.B. 1914, The George Washington University		A.B. 1912, College of William and Mary	N.Y.
†Middleton, Fergus Shivas (Law II)	N.J.	†Mills, Roxwell Sherman (Med. III)	
†Middleton, Rensselaer Polytechnic Institute		A.B. 1927, Union College	D.C.
†Middleton, Harry E., Jr. (Jun. 24)	D.C.	†Mills, Virginia Wall (Col. 96)	D.C.
†Midkiff, Harold Mercer (Govt., A.M.)	Ohio	†Milst, Joseph (Jun. 32)	D.C.
A.B. 1918, College of Wooster		†Mincusky, A. Burton (Med. II)	
†Mikel, Russell Delbert (Jun.)	Tenn.	A.B. 1918, The George Washington University	Ky.
†Milans, Everett DeWalt (Ed., A.M.)	D.C.	†Minish, Alfred William (Law I)	
A.B. 1916, The George Washington University		A.B. 1918, Georgetown University	Md.
†Millar, Ida Lillian (Univ.)	Md.	†Miner, Donald Benjamin (Ed., Ed.D.)	
†Millard, August Born (Eng. 121)	Md.	B.P.E. 1927, Springfield College	
†Millard, Ray Edward (Law I)	N.J.	A.M. 1912, New York University	Vt.
†Miller, Albert Raymond (Col., A.M.)	D.C.	†Minister, Anna Ames (Jun. 12)	Iowa
†Miller, Alice Eleanor (Ed. 100)	Md.	†Minor, Francis Wood (Col., A.M.)	
†Miller, Charles Wayne (Col. 110)	Va.	B.S. 1916, The George Washington University	
†Miller, Clark Richardson (Med. IV)	Wash.	†Minor, Harold Lee (Eng. 60)	D.C.
†Miller, Daniel (Col., A.M.)	N.Y.	†Minor, James Beryl (Jun. 24)	W.Va.
B.S.S. 1918, College of the City of New York		†Mintz, Fred (Eng. 104)	N.Y.
†Miller, Douglas Love (Jun. 12)	D.C.	†Mirras, Margaret Joan (Jun. 18 1/2)	N.Dak.
†Miller, Earl Clayton (Jun.)	Va.	†Mirras, Peter (Jun. 21)	N.Dak.
†Miller, Edna Emily (Ed., A.M.)	D.C.	†Mishoo, Frank (Ed., A.M.)	Maine
A.B. 1915, Western Maryland College		A.B. 1910, Columbia University	Va.
†Miller, Ella Bell (Law II)	D.C.	†Mitchell, Arthur George (Univ.)	D.C.
†Miller, Frank Nelson, Jr. (Jun. 26)	D.C.	†Mitchell, David Wilson, Jr. (Jun.)	Wyo.
		†Mitchell, Edwin C. (Med. I)	
		B.S. 1910, University of Wyoming	Va.
		†Mitchell, Elsie Bruce (Col., A.M.)	
		A.B. 1918, Westhampton College	D.C.
		†Mitchell, Frank Taylor, Jr. (Eng. 127)	

# Students Registered

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†Mitchell, Geneva W. (Univ.) B.S. 1929, Ohio State University	D.C.	†Moon, Doris Corinne (Jun. 75)	D.C.
†Mitchell, George Smith (Univ.) B.S. in M.E. 1935, Purdue University	N.J.	†Moon, Eugene Francis M. (Univ.) Mooney, Elizabeth (Ed. A.M.) A.B. 1917, The George Washington University	Md. Md.
Mitchell, Herbert Francis, Jr. (Col., A.M.) B.S. 1938, The George Washington University	Ill.	†Mooney, Frances Ramey (Ed., Ed.D.) B.S. 1925, University of Oklahoma A.M. 1930, Peabody College	Va.
Mitchell, John (Govt., A.M.) A.B. 1930, Union College	D.C.	†Mooney, William Montgomery (Eng. 20)	S.C. Va.
Mitchell, Margaret Hanway (Jun. 45)	N.Y.	†Moore, Alfred Preston (Univ.) B.S. 1937, Washington and Lee University	
Mitchell, Milton (Law I)	N.J.	Moore, Catherine Myers (Jun. 47)	D.C.
†Mitchell, Orrel James (Ed., A.M.) A.B. 1929, Georgetown University	N.Y.	†Moore, Charles Henry (Univ.)	S.C.
†Mitchell, Thomas Warner, Jr. (Univ.)	D.C.	Moore, Eugene Minton (Jun. 9)	Ala.
Mitchell, Virginia Victoria (Ed. 108)		Moore, George Mansfield (Law III)	D.C.
Mitchell, William Henry (Eng.)	Md.	A.B. 1937, The George Washington University	
†Mitchener, Janie Arcott (Jun. 47)	Md.	Moore, Howard Nelson (Univ.)	W.Va.
†Mizell, Louis Richard (Col., A.M.) A.B. 1918, Gettysburg College	D.C.	LL.B. 1936, The George Washington University	
Mobley, David Sharp (Govt. 69½)	Md.	LL.M. 1936, J.D. 1938, Georgetown University	
†Mock, Henry Byron (Law, LL.M.) A.B. 1933, University of Arizona	Oreg. Ariz.	†Moore, John Cordell (Law I)	Ill.
LL.B. 1938, Georgetown University		A.B. 1926, Illinois College	
Mockrin, Isadore (Col., A.M.) B.S. in Chem.E. 1936, University of Pennsylvania	Pa.	Moore, John Stewart (Med. III)	D.C.
†Modar, Irving (Univ.)		†Moore, Isabel Jean (Univ.)	Va.
†Moffett, John Bennett (Jun. 4)	N.Y.	†Moore, Madeleine Duman (Ed. A.M.) B.S. 1935, Wilson Teachers College	D.C.
†Mohagen, Verna C. (Univ.) A.B. 1934, A.M. 1937, The George Washington University	Tenn. N.Dak.	†Moore, Madge B. (Univ.)	D.C.
†Mohler, Marvin Francis (Jun.)		Moore, Malcolm Richardson (Eng. 67)	D.C.
†Mohler, Mary Burton (Ed., A.M.) A.B. 1923, Indiana State Teachers College	Ind. D.C.	†Moore, Margaret Weiger (Col., A.M.) A.B. 1933, Wilson College	Pa.
*Mohr, Rose Laura (Ed. A.M.) B.S. 1932, New York State College for Teachers	N.Y.	†Moore, Myrtle Elizabeth (Univ.) A.M. 1932, The George Washington University	D.C.
†Moldawer, Marcia (Jun. 17)	Pa.	†Moore, Phyllis Lucille (Univ.)	Ohio
Moll, Isola Angela (Jun.)	D.C.	†Moore, Reta Rivers (Univ.)	D.C.
†Molster, Anna Katharine (Univ.) A.B. 1939, The George Washington University	D.C.	Moore, Robert B. (Law I) A.B. 1938, University of Redlands	Ariz.
Molyneux, John William (Col., A.M.) A.B. 1938, The George Washington University	D.C.	Moore, Robert Eugene (Jun. 6)	D.C.
Monsen, Evelyn Clare (Jun.)		†Moore, Thomas Wesley (Jun.)	Va.
†Monahan, Eleanor W. (Univ.) A.B. 1936, Bradley Polytechnic Institute	D.C. Va.	Moore, Virginia Bennett (Col. 83)	Ky.
A.M. 1937, University of Chicago		Moorman, Robert Maxey (Jun. 9)	D.C.
Monchynich, Mike (Jun. 28)	Pa.	Moore, Dorothy Jayne (Univ.)	D.C.
Monis, Frances (Law I)	N.Y.	Moorthart, Perry W. (Law, LL.M.) Ph.B. 1939, LL.B. 1939, University of North Dakota	D.C.
A.B. 1938, The George Washington University		†Mora, Pedro (Univ.)	D.C.
†Montre, Evelyn Jones (Ed., A.M.) B.S. 1930, Mary Washington College	Va.	Moran, Leon James (Jun. 13)	Conn.
Montma, George Norman (Law III) A.B. 1935, Calvin College	Mich.	Moran, Lowell Holan (Jun. 19)	D.C.
Montague, John William (Univ.)		Moran, William Edward (Col., A.M.) B.S. 1938, University of Pittsburgh	Pa.
†Montalbano, Michael Salvatore (Univ.)	D.C.	Morgan, Alice Susan (Univ.) B.S. 1938, University of Maryland	D.C.
Montes, Gloria Mercedes (Jun. 9)	N.Y.	Morgan, Anne (Univ.)	Ind.
Montesi, Anna Paulette (Jun. 24)	D.C.	Morgan, Harold (Law II) A.B. 1937, University of Missouri	Ill.
Montgomery, Arthur Henry (Jun.)	D.C.	Morgan, Ivor Idris (Med. II) B.S. 1938, University of Washington	Wash.
†Montney, Louis Henry (Jun. 67)	Pa.	†Morgan, Martha Mary (Univ.)	D.C.
†Moody, Harold Palmer (Univ.)	Mich.	Morgan, Nancy Stuart (Jun. 28)	N.Mex.
†Moody, Joe Wav (Univ.)	D.C.	Morgan, Randal Berry (Univ.) B.P.E. 1926, Springfield College	Va.
†Moody, Louis Henry, Jr. (Med. IV)	Ga.	Morgan, Robert Elmore (Eng. 109)	W.Va.
†Moomaw, Dorothy Rick (Univ.)	D.C.	†Morgart, Lena (Ed. 93)	Pa.
		Morseinstein, Sam A. (Jun. 64)	Pa.
		†Morty, Thomas John (Univ.) A.B. 1939, College of the Holy Cross	Mass.
		Morris, Evelyn Dupre (Col. 120)	Va.



Morris, Herman Jackson (Univ.) A.B. 1934, A.M. 1938, The George Washington University	Ala.	Mulvey, Frederick (Ed., A.M.) A.B. 1933, The George Washington University	D.C.
*Morris, Hilma Maria (Ed. 120)	Md.	Munter, Elmer Dewey (Col. 99)	Nebr.
†Morris, Lucille Frances (Jun. 18)	D.C.	Murany, Anne (Jun. 11)	Ill.
Morris, Mary-Katherine (Law I) A.B. 1934, Stanford University	Nev.	Murayama, Sutein (Eng. 45)	D.C.
Morrison, Alice Skillman (Col. 87)	D.C.	Murdock, Joseph Boyd (Jun.)	D.C.
Morrison, Elizabeth Yardley (Univ.)	Va.	Murdock, Martha E. (Jun. 6)	Utah
†Morrison, Josephine Isabell (Univ.)	D.C.	Murdock, Myrtle (Ed., Ed.D.)	Ariz.
†Morrison, Kenneth Newton (Jun.)	D.C.	A.B. 1927, Temple Teachers College	
Morrison, Mary Gloria (Col. 71)	D.C.	A.M. 1928, University of Arizona	Vt.
†Morrison, Nesbitt (Univ.)	D.C.	*Murphy, Abigail Theresa (Ed., A.M.)	
Morrison, Robert Stone (Jun. 32)	Md.	A.B. 1928, The George Washington University	
†Morse, Bertha (Jun. 54)	D.C.	Murphy, Charles Martin, Jr. (Col., A.M.)	Ala.
Morse, Roger Herbert (Law II)	Kans.	A.B. 1934, The George Washington University	
Mortensen, Edith Elizabeth (Grad., Ph.D.)	D.C.	Murphy, Donald Vincent (Law I)	Iowa
A.B. 1925, Carleton College		B.S. 1928, University of Iowa	D.C.
A.M. 1927, University of Minnesota		†Murphy, Greer Murchal (Univ.)	
Morton, Conrad Vernon (Grad., Ph.D.)	D.C.	LL.B. 1934, University of Alabama	N.Y.
A.B. 1928, University of California		†Murphy, Harold Anthony (Univ.)	D.C.
Mosby, Harold Woodson (Univ.)	Miss.	†Murphy, Irene (Univ.)	
Mosby, Joseph McRae (Univ.)	Miss.	A.B. 1940, The George Washington University	
Moser, Karl Jones (Ed., Ed. D.)	Md.	Murphy, Joan Catherine (Col. 123; Law I)	D.C.
A.M. 1933, The George Washington University		A.B. 1940, The George Washington University	
†Moses, John Ramsay (Jun. 41)	N.Dak.	Murphy, John Thomas (Univ.)	N.Y.
Moshier, Anne Miles (Jun. 18)	Md.	Murphy, Lillian Ann (Ed., A.M.)	D.C.
†Moskey, Frances Elizabeth (Univ.)	Va.	B.S. in H.E. 1937, Purdue University	D.C.
Moskowitz, Alexander J. (Col., A.M.)	N.Y.	†Murphy, Lucile White (Ed. 105)	Ors.
A.B. 1939, Brooklyn College		Murphy, Richard C. (Med. IV)	
Moss, Joseph Alexander (Law III)	Ark.	A.B. 1935, The George Washington University	Mass.
A.B. 1934, Southwestern College		†Murray, Charles A. (Jun. 89)	D.C.
Moss, Mary Maud (Jun. 21)	Tex.	Murray, Edward George (Jun.)	Colo.
Moss, Sarah Kimbrough (Jun.)	D.C.	Murray, Emmett Leonard (Jun.)	Ind.
†Moss, Sidney J. (Univ.)	N.Y.	Murray, James Justus (Jun. 85)	Tex.
†Mossberg, John Alfred (Univ.)	Wis.	Murray, Michael James (Eng. 18)	D.C.
Mossberg, Eugene Hyatt (Law I)	D.C.	†Murray, Robert Jewell (Jun. 12)	D.C.
A.B. 1936, Duke University		Murray, Robert Warren (Jun. 23)	D.C.
Mott, James Joshua, Jr. (Col. 65)	Fla.	†Muse, Thalia Hattie (Univ.)	D.C.
Mott, William Chamberlain (Law III)	Md.	†Mushinsky, Dorothy (Jun.)	D.C.
B.S. 1933, United States Naval Academy		†Musson, Mary Elizabeth (Jun. 9)	Pa.
Moulton, Barbara (Col., A.M.)	D.C.	Mussulini, Raul R. (Law, II, M.)	
A.B. 1937, University of Chicago		B.S. 1933, LL.B. 1935, Ph.D. 1937, University of Pittsburgh	Mo.
Mountain, David Charles (Med. III)	Mass.	Muttriger, John George (Grad., Ph.D.)	
B.S. 1934, Massachusetts State College		A.B. 1937, University of Missouri	
A.M. 1937, The George Washington University		A.M. 1933, The George Washington University	
†Mourning, Henry Lee (Jun.)	D.C.	Myer, Annette Dorothea (Jun. 60; Col.)	D.C.
†Mousseau, Alexander Rockwell (Jun.)	D.C.	Myer, Victor (Law I)	D.C.
Moussot, Anne (Ed. 80)	D.C.	B.S. 1936, University of California	Md.
Moyer, Lawson Auburn, Jr. (Col. 89)	D.C.	†Myers, Barbara Blair (Univ.)	N.J.
Moyer, Walter (Jun. 82; Pharm.)	D.C.	Myers, Clarence John (Eng. 20)	D.C.
Moynihan, Francis William (Univ.)	Mass.	Myers, Elmer Gordon (Pharm. 65)	Md.
†Mucha, Stella L. (Univ.)	D.C.	Myers, George Henry (Eng. 46)	D.C.
Ph.B. 1932, University of Chicago		Myers, Helen Sherman (Univ.)	D.C.
†Mudd, Joseph Francis (Univ.)	D.C.	†Myers, Jane Anita (Col. 76)	D.C.
Macavim, Robert S. (Univ.)	Ohio	Myers, Jim (Jun.)	D.C.
Mugmon, Leo Harold (Med. III)	Pa.	Myers, Joseph Nelson (Univ.)	N.Y.
Myer, Donald C. (Med. IV)	Pa.	Myers, Lewis Hall (Law I)	
†Mullen, Marie Elizabeth (Univ.)	Va.	A.B. 1937, Colgate University	R.I.
Muller, Victor C. (Law II)		Myers, Mary Catherine (Govt., A.M.)	
B.S. 1931, University of South Carolina		B.S. 1940, Indiana State Teachers College	D.C.
Mulligan, Tracy Ellsworth, Jr. (Law III)	D.C.	Myers, Samuel Behrens (Univ.)	
A.B. 1937, The George Washington University			
Mullin, Harold Ried (Col. 103)	Wis.		
†Mulvehill, Charlotte Jeanette (Jun. 12)	N.Y.		



# Students Registered

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†Myers, William H. (Ed., A.M.) A.B. 1931, Occidental College	D.C.	Nelson, Saul (Law I) B.S. 1922, Massachusetts Institute of Technology	N.Y.
†Myler, Phyllis Mae (Univ.)	Mass.	Nerren, William George (Univ.)	Tex.
Mykowski, Walter Joseph (Jun. 33)	Mass.	Nesbitt, John (Jun. 36)	D.C.
N		Nesler, George Quayle (Med. II)	Utah
Naecker, John Carroll (Jun.)	D.C.	Ness, Robert Woodrow (Jun. 36)	Wash.
Naecker, Louis Joseph (Eng. 101)	Md.	Nessell, Clara Jean (Jun.)	D.C.
Nafrai, Hyman David (Jun. 26; Eng.)	N.Y.	Nessell, William Edward (Jun. 32)	D.C.
Nagatsuka, Kiyomitsu (Jun.)	N.I.	†Nessish, Richard Joseph (Jun.)	D.C.
Nagel, George Edward (Jun.)	D.C.	†Neth, John Watson, Jr. (Univ.)	Pa.
Nagy, George Julius (Jun. 31)	Mch.	Neuenhofer, Helen Elizabeth (Jun. 55)	Minn.
Nagy, Lillian Sophia (Jun. 36)	W.Va.	Neufeld, Arthur Irvin (Jun. 50)	D.C.
Nahas, G. Frederick (Univ.)	Conn.	Neuhäuser, Frank Louis (Law III)	D.C.
Naiman, Irma Rose (Col. 64)	D.C.	B.S. in E.E. 1924, University of Louisville	
Naisbitt, Harold Arthur (Jun. 54)	Utah	†Neville, John I. (Univ.)	N.Mex.
†Nall, Birdie Tynes (Univ.)	Va.	†Newark, Lawrence Henry, Jr. (Univ.)	D.C.
Narron, Wiley (Law I)	N.C.	†Newell, Sam H. (Univ.)	Ga.
A.B. 1935, Atlantic Christian Col- lege		Newman, Thomas Roberts (Eng.)	D.C.
†Nash, Florence Marie (Univ.)	D.C.	Newell, Edward Dunbar (Eng. 190)	D.C.
†Nash, Harriet Escalstyn (Univ.)	D.C.	†Newell, Robert Yates (Univ.)	Tenn.
B.S. 1936, A.M. 1938, New York University		Newhouse, Stanley Raam (Jun.)	D.C.
†Nash, Jeanne Estelle (Jun.)	D.C.	Newlin, Joseph Herman (Jun. 65)	Pa.
†Nash, Margaret Knapp (Ed., A.M.)	D.C.	Newman, Craig Watson (Jun. 62)	Va.
A.B. 1929, The George Washington University		†Newman, Frederic Adolph (Univ.)	N.Y.
†Nash, Mary Lou (Jun. 56)	N.C.	†Newman, Inez Martina (Univ.)	Minn.
Nash, Nadine (Jun. 18)	Colo.	Newman, John Wright (Jun. 42)	Nebr.
Nash, Samuel Wellington (Jun. 18)	N.H.	†Newman, Margaret Emery (Univ.)	D.C.
Nathanson, Albert Irving (Jun. 11)	D.C.	Newman, Robert Andrews (Govt., A.M.)	Md.
Nathanson, Grace (Jun.)	D.C.	A.B. 1927, University of Maryland	
Nathanson, Irwin Bernstein (Eng. 66)	D.C.	Newman, Sanford Bernhart (Col., A.M.)	N.Y.
A.B. 1937, Brooklyn College	N.Y.	B.S. 1936, Long Island University	
†Nawrocki, Casimir Zenon (Eng. 58)	Md.	Newmyer, Alvin Lewis, Jr. (Law I)	D.C.
Naylor, Henry (Jun. 32)	D.C.	B.S. 1929, University of Virginia	
Neal, Rachel Margaret (Col. 92)	N.Y.	Newquist, Noel Clayton (Jun.)	Kans.
Neal, Thomas Ellison (Col. 104½)	Ga.	Newsom, Howard Fowler (Jun. 51)	D.C.
Nealon, Elmer James (Law I)	D.C.	Newton, Walter Lloyd (Jun. 65)	D.C.
B.S. in Chem.E. 1937, University of Michigan		†Nicolo, Ruth Elizabeth (Jun. 45)	Pa.
Neary, Thomas Aloysius (Jun. 9)	Va.	†Nichols, Margaret Elizabeth (Jun.)	D.C.
†Nechkash, Rosemary Theresa (Univ.)	Wis.	Nichols, Phyllis Annette (Jun. 33)	D.C.
B.S. 1936, University of Wisconsin		Nichols, Stanley Taft (Jun. 18)	D.C.
†Neeb, Marie Marguerite (Univ.)	D.C.	Nichols, Mary Jeanette (Jun. 10)	S.C.
A.B. 1934, A.M. 1937, The George Washington University		†Nicholson, Raymond Charles, Jr. (Univ.)	D.C.
Neely, James Muri (Jun. 51½)	Ark.	†Nichter, Harry Frank R., Jr. (Univ.)	Md.
Neff, LeRoy Harold (Law I)	Mo.	Nicklin, Walter Sholey, Jr. (Med. I)	Va.
A.B. 1938, Southwest Missouri State Teachers College		Niel, Margaret Aline (Jun. 49)	Md.
†Neff, Paul Heston (Jun.)	D.C.	†Niehaus, Charles F. (Eng. 65)	D.C.
A.B. 1939, Springfield Teachers College, Missouri	Va.	Nelsen, Charlotte Bertana (Jun. 3)	Md.
Negus, Mildred Emma (Ed., A.M.)	Mass.	Nielsen, Jean Kelly (Univ.)	Va.
B.S. 1927, Kingston College		B.S. 1929, The George Washington University	
Neilson, Don Downs (Jun. 29)	Md.	†Nielsen, Carl Aage (Univ.)	D.C.
Nelson, Arline (Jun. 26)	D.C.	Nielson, Norman Haight (Ed. 57½)	Idaho
Nelson, Arthur Howard (Jun. 6)	Va.	Niemeyer, Gertrude Elizabeth (Ed., A.M.)	D.C.
Nelson, Aubrey L. (Univ.)	Fla.	A.B. 1935, The George Washington University	
Nelson, Burd Arthur (Univ.)	Minn.	†Nign, Richard Ching Lok (Univ.)	China
Nelson, Enoch, Jr. (Jun.)	Ill.	Nikola, Lily Irene (Govt. 70)	D.C.
Nelson, Lewis (Law I)	Utah	Nimitz, Nancy (Col. 97)	D.C.
B.S. 1930, Utah State Agricultural College		†Nison, Foster Wade (Univ.)	Ohio
Nelson, Manfred (Govt., A.M.)	Ill.	†Noble, Amber Youngblood (Univ.)	D.C.
A.B. 1923, University of Wisconsin		A.B. 1936, University of California at Los Angeles	
Nelson, Richard Oldfield (Med. III)	Kans.	A.M. 1938, The George Washington University	
A.B. 1934, University of Kansas		†Noble, Dixie M. (Univ.)	Tenn.
		Noble, Joseph Southall (Eng. 30½)	Va.
		Noble, Wesley Moulton (Univ.)	Mass.
		Ph.B. 1931, Brown University	

Nohl, Frederick L. (Law III)	N.Mex.	†O'Bannan, Sarah Frances (Univ.)	Ohio
A.B. 1930, University of New Mexico		A.B. 1936, Denison University	
Nolan, Francis Xavier (Jun. 3)	Ill.	Obear, Legare Hill Bowles (Law III)	Ga.
Nolan, James Edward (Univ.)	Mass.	A.B. 1938, The George Washington University	Va.
B.S. in E.E. 1926, Tufts College		Obenachain, John Teadford (Med. II)	Wash.
LL.B. 1933, The George Washington University		B.S. 1936, Roanoke College	
Nolan, Robert Anthony (Col., A.M.)	Ill.	Ober, Goodwin Leo (Univ.)	
Ph.B. 1934, St. Veator College		B.S. in M.E. 1935, University of Washington	Ohio
Noon, Dorothy Marilyn (Jun.)	D.C.	Oberlin, Paul Frederick (Govt. 82)	D.C.
Noveross, James Barkley (Eng.)	D.C.	†O'Brien, Bernice Thomas (Univ.)	Calif.
Nordin, Ruth (Col., A.M.)	Nebr.	†O'Brien, Edmond Emmett (Govt. 67)	D.C.
A.B. 1937, The George Washington University		O'Brien, Elizabeth Ann (Ed. 103)	N.Y.
Nordlund, Harry T. (Law III)	Wash.	O'Brien, James Robert (Jun.)	N.J.
Norris, Jerome Joseph (Eng. 22)	D.C.	O'Brien, John Bernard, Jr. (Govt. 69)	
Norris, Kathleen (Jun. 25)	D.C.	LL.B. 1931, LL.M. 1933, Georgetown University	N.Dak.
North, George Jay (Law I)	Va.	O'Brien, Margaret Faxe (Ed. 101)	D.C.
B.Chem. 1928, Cornell University		O'Byrne, Margaret Claudia (L.S. 81)	Va.
A.M. 1930, Western Reserve University		O'CConnell, Blanche Catherine (Univ.)	
†Northey, Georgeanna (Col. 5835)	Iowa	A.B. 1930, Trinity College	S.C.
†Norton, Frances (Univ.)	Va.	O'Connell, James Fred (Jun. 27)	Okla.
Norton, Howard Rand (Jun. 12)	D.C.	O'Connor, Buell (Col., A.M.)	
Norton, James Richard (Eng. 9)	Md.	A.B. 1937, Yale University	N.Y.
Norton, Leland Dean (Law I)	Ohio	O'Connor, Eileen Cecelia (Law II)	
A.B. 1930, The George Washington University		A.B. 1938, College of St. Elizabeth	Kans.
†Norton, Marie Alberta (Univ.)	Pa.	O'Connor, Everett Manual (Jun.)	Mass.
Nostadt, Valentine John (Univ.)	D.C.	O'Connor, Martin Gleason (Univ.)	D.C.
†Nott, Mildred McCauley (Univ.)	D.C.	O'Connor, Mary (Univ.)	
B.S. 1936, Wilson Teachers College		O'Connor, Robert Thomas (Col., A.M.)	Mass.
A.M. 1939, The George Washington University		B.S. 1938, The George Washington University	D.C.
Nott, Perry Jacob (Med. III)	N.Y.	†O'Connor, Patricia Atlee (Jun. 15)	D.C.
B.S. 1936, New York University		†Oddenino, Mary Adeline (Col. 102)	Va.
M.S. 1939, University of Maryland		Oddson, Dora Kristine (Jun.)	D.C.
†Nowak, Anthony (Jun. 28)	D.C.	†O'Dea, Patrick Lawrence (Jun.)	Wash.
†Nowak, James Lawrence (Eng.)	D.C.	†O'Dell, Mark, Jr. (Univ.)	
Nowinger, Faith Fairchild (Ed., A.M.)	D.C.	A.B. 1934, University of Washington	Va.
A.B. 1932, The George Washington University		O'Dom, Alfred Francis (Jun. 24)	D.C.
Nowaskey, Arthur Joseph (Ed. 90)	Ohio	O'Donnell, Charles Warren (Univ.)	Md.
Nowaskey, Robert John (Ed. 97)	Ohio	O'Donnell, Horace Paul (Jun. 35)	Pa.
†Nowlin, William Bernard (Jun. 19)	Wash.	O'Donnell, John Daniel (Univ.)	D.C.
Nover, Elmer Raymond (Law II)	Mass.	†Oeltjen, Eleanor Steger (Ed. 58)	D.C.
A.B. 1911, St. John's College, Maryland		Oertel, George Charles, Jr. (Jun. 39)	D.C.
†Noyes, Elizabeth (Univ.)	D.C.	Offnutt, Harry Dumont (Med. II)	Conn.
A.B. 1924, Smith College		Orden, Faith Newbury (Med. II)	
A.M. 1927, New York University		A.B. 1937, Radcliffe College	Ill.
Nubbe, Virgil George (Jun. 12)	Minn.	Ogg, William Blair (Univ.)	Wis.
†Nugent, Cornelia Agatha (Jun. 21)	Va.	Ogilvie, Eula A. (Univ.)	Mont.
†Nugent, Patricia Elizabeth (Univ.)	D.C.	†O'Hagan, John James (Univ.)	Mich.
Nugent, Paul (Jun. 19)	D.C.	O'Hara, Donald Clark (Law II)	
Nuhn, John Alfred (Jun. 6)	D.C.	A.B. 1937, Michigan State College	Ill.
Nurenberg, Myles Mortimer (Govt. 65)	Mass.	O'Hara, James Henry (Col., A.M.)	
Nutter, Charles William (Univ.)	D.C.	A.B. 1938, The George Washington University	D.C.
Nutter, John Barnett (Jun. 14 1/2)	D.C.	Ohler, Lucy May (Jun. 32)	D.C.
Nutter, William Morris (Jun. 7)	D.C.	Ohler, Wilma Hope (Jun.)	Md.
Nye, Edwin Darby (Law I)	D.C.	†Ohman, Vincent Ivar (Univ.)	
A.B. 1930, Johns Hopkins University		R.Eng. 1934, Johns Hopkins University	S.Dak.
†Nyquist, Charles Walter (Univ.)	Minn.	O'Keefe, Daniel Vincent (Law I)	
B.B.A. 1931 LL.B. 1937, University of Minnesota		R.M.E. 1938, University of Minnesota	D.C.
		Okin, Harriet (Jun.)	N.Y.
		Okin, Yetta Edith (Col., A.M.)	
†Oakley, Dorothy Agnes (Jun. 18)	Calif.	A.B. 1932, Hunter College	D.C.
Oakley, Bettie Lee (Jun.)	D.C.	O'Leary, Patrick Maynard (Col. 8235)	
Oakley, Loretta Mary (Univ.)	Ohio	LL.B. 1937, University of South Dakota	D.C.
†Oakley, Thomas Richard (Eng. 101)	D.C.	Olin, Wilber (Univ.)	



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†Paris, Minard LeVaine (Govt. 67) LL.B. 1910, The George Washington University	N.Y.	†Payne, Thomas Alan (Jun.) A.B. 1912, Converse College	D.C. Md.
Park, Helen Dorothy (Jun. 18)	Fla.	†Peak, Irvin Franklin (Jun.) Peake, Leora Marjorie (Jun.)	Ky. Fla.
†Parke, Thaddeus Wheatley, Jr. (Univ.)	D.C.	Pear, Bertram Lincoln (Jun. 46)	D.C.
Parker, Cecilia McCallum (Univ.)	D.C.	Pear, Philip (Jun. 64)	D.C.
Parker, Edlow George (Jun. 14)	D.C.	Pearce, Garth Coe (Law I)	Utah
Parker, George Alton (Govt. 0635) LL.B. 1910, The George Washington University	Utah	†Pearce, Lillian Marie (Jun.)	D.C.
†Parker, Henrietta L. (Jun. 14)	Ill.	†Pearlman, Ira Weiss (Jun. 14)	D.C.
Parkes, Klein Ethelbert (Col. 00)	Mia.	Pearlman, Shirley Felice (Med. II) A.B. 1910, The George Washington University	D.C.
Parkinson, Caroline Bowman (Jun.)	D.C.	Pearlmitter, Morris (Col. 80)	N.Y.
Parkinson, Graham Nuttall (Law III)	Calif.	Pearse, John Frederick (Law III) B.S. 1914, California Institute of Technology	Calif.
Parks, James (Govt. 74)	Tex.	Pearson, Dorothy Margaret (Jun. 9)	Md.
Parr, Kathryn (Univ.)	D.C.	Pearson, Gaylor (Univ.) A.M. 1918, The George Washington University	Tex.
B.S. 1921, University of Missouri	D.C.	†Pearson, James Bradshaw (Jun.)	D.C.
Parrish, Elmyra (Univ.)	Tex.	Pearson, Mary Alta (Jun. 47)	Va.
Parrish, Finis Irving (Law III) A.B. 1914, The George Washington University	Tex.	Pearson, Niles Houston (Jun. 12)	N.Y.
Parrish, Floyd Donald (Col. 60)	Ill.	†Peck, Charles Buckland (Univ.) B.S. 1916, State Teachers College, Buffalo	D.C.
Parrish, John (Jun.)	Ind.	Peck, George Arthur, Jr. (Col. A.M.) A.B. 1916, Williams College	N.Y.
†Parrish, Mae Lashaw (Jun. 4635)	La.	Peck, Kinsley Combs (Law III) B.S. in Eng. 1912, M.S. 1912, University of Michigan	N.Y.
†Parrish, Violet Maxine (Col. 70)	Ohio	Peck, Theodora Letta (Med. I) B.S. 1912, University of Wisconsin	D.C.
Parrott, William McDowell (Eng. 80)	D.C.	M.S. 1917, Michigan State College	Tenn.
†Parry, Francis Arthur (Univ.)	D.C.	†Peebles, Samuel W. (Univ.) A.B. 1918, Harding College	D.C.
†Parsall, Rose (Law I)	Mont.	†Peeples, Elizabeth Kath (Univ.) Peckin David (Jun. 11)	D.C.
B.S. 1918, University of Kansas	D.C.	Peene, Walter (Univ.)	N.Y.
Parsons, Earl Rudels (Univ.)	D.C.	†Peenert, Arthur A. (Univ.)	N.Y.
Parsons, Edgar Howard (Eng. 107)	D.C.	†Peetz, Agnes Catherine (Ed. 127)	Md.
Parsons, Frances Westfall (Col. A.M.) A.B. 1915, Mount Holyoke College	D.C.	†Pellensberg, Aris Connelia (Jun. 12)	Md.
Parsons, Loretta C. (Univ.)	Mich.	Beller, Lily (Ed. 1st D.)	D.C.
†Pastin, Clara Maude (Univ.)	D.C.	Pelzman, Jean Dorothy (Jun. 75) (Col.)	Md.
Pawel, Albert (Univ.)	N.J.	Penn, William H. (Jun. 81)	D.C.
Pasch, Sam Arthur (Jun. 58)	Wis.	†Pennebaker, Amelia L. (Univ.)	D.C.
Paskowitz, Harry (Jun. 11)	Ala.	†Pennebaker, Anthony Joseph (Univ.)	Va.
†Pasma, Timothy Warden (Univ.)	Md.	†Pennyington, C. L. Marshall (Univ.)	Md.
Pastoriza, Tomas Augusto (Eng. 13)	D.C.	†Pennyington, William Corrie (Jun. 11)	Ohio
†Patrick, Evelyn Louise (Jun.)	D.C.	†Percy, Stephen George (Eng.)	Ill.
Patterson, Charlotte Deal (Jun.)	D.C.	Perrine, Giles Henry (Law II M.) Ph.D. 1918, I.D. 1919, University of Chicago	D.C.
Patterson, Elizabeth Nelson (Col. 91)	D.C.	†Pepser, Margaret R. (Univ.) A.B. 1918, A.M. 1912, The George Washington University	N.Y.
Patterson, Harold Cameron, Jr. (Jun.)	Va.	Percy, Murray F. (Eng. 49)	Va.
Patterson, Robert William (Jun. 29)	Va.	Perkin, Donald Keith (Jun. 42)	Tex.
Patterson, Thomas Peirce (Law II) B.S. 1916, University of Nebraska	Nebr.	Perkins, Dorothy Lillian (Jun.)	Md.
†Patton, William Henry (Law II)	N.Mex.	†Perkins, Irene Leona (Jun. 17)	D.C.
Paul, Ada Chase (Jun.)	N.J.	†Perkins, Janet (Jun.)	D.C.
Paul, Walter Edward (Law I)	Okla.	Perkins, William Robert, Jr. (Med. I) A.B. 1919, Princeton University	Ill.
Pauls, Marion Wilson (Jun. 10)	D.C.	Pernecky, Paul, Jr. (Govt. A.M.) B.S. 1914, Northwestern University	Ky.
Pavay, Frederick Payne (Jun.)	D.C.	Perrin, Anthony L. L. (Jun. 49)	N.Y.
Pavis, Jesse Andrew (Jun. 14)	D.C.	Perrin, Henry (Jun. 14)	Md.
†Pavitt, Matthew Alan (Jun. 12)	N.Y.	Perrin, Claude Hermann (Jun. 60)	N.Y.
†Paxson, Kathleen Steele (Univ.)	D.C.	Perrine, Theodore Deering (Univ.) M.E. 1914, Stevens Institute of Technology	D.C.
Payne, Albert Alfred (Jun. 70)	Tex.	Perros, George Peter (Col. 106)	
Payne, Clarence Milton, Jr. (Univ.)	Md.		
Payne, Ernest William (Jun. 15)	D.C.		
†Payne, Frances Theodora (Univ.)	D.C.		
†Payne, Gertrude Weston (Col. A.M.) B.S. 1919, Carson and Newman College	D.C.		
Payne, John Byrd (Univ.) A.B. 1917, A.M. 1919, The George Washington University	Md.		
Payne, John Howard (Col. 112)	D.C.		
Payne, Kirby Bosworth (Col. 07)	D.C.		
Payne, Manson Eldred (Univ.)	Va.		
Payne, Martin Wallace (Med. I) A.B. 1917, New Jersey State Teachers College, Upper Montclair	N.J.		
Payne, Ralph Lucian (Univ.)	Va.		
†Payne, Richard Alden (Jun.)	Va.		

Perron, James Stephen (Univ.) A.B. 1937, Wake Forest College	D.C.	Phinney, John Howard (Eng. 117)	Okla.
Perry, Elmer Vivian, Jr. (Eng., Uncl.) B.S. in C.E. 1932, Georgia School of Technology	D.C.	†Phippus, Lester Earl (Univ.)	D.C.
Perry, John Watson (Col., A.M.) B.S. 1939, The George Washington University	D.C.	Phucas, Peter Basil (Jun. 64)	D.C.
†Perry, Shirley P. (Univ.) A.B. 1930, Limestone College	D.C.	Picco, John Thomas (Jun. 26)	Ill.
†Pertsch, Joseph L. (Eng.)	D.C.	†Pickens, Charles Wilmer (Govt., A.M.) A.B. 1938, The George Washington University	D.C.
†Peters, Bernice Blanche (Jun. 15)	D.C.	†Pickering, Jean Marie (Jun.)	Wash.
†Petersen, Emma Christena (Univ.) A.B. 1934, Indiana University	Ind.	†Pickett, Thelma Lee (Jun. 12)	D.C.
Petersen, Roy Alvin (Med. I) B.S. 1936, Utah State Agricultural College	Idaho	Pila, George (Eng. 74)	Pa.
Petersen, Stanley Wilhelm (Jun. 79)	D.C.	Pietter, Albert Lyman, Jr. (Col., Uncl.) B.S. 1939, Wilson Teachers College	D.C.
Petersen, William Theodore (Law II) A.B. 1937, University of Georgia	Ga.	Pierce, Francis Strong (Jun.)	D.C.
†Peterson, Alice Irene (Jun.)	D.C.	†Pierce, George Donald (Univ.)	N.Y.
Peterson, Ann Brooke (Jun. 19)	D.C.	Pierce, Henry Maurice (Univ.)	Va.
Peterson, Edwin Warren (Govt., A.M.) B.B.A. 1933, University of Minne- sota	Minn.	†Pierce, Norman Albert (Col., A.M.) B.S. 1937, Springfield College	Mass.
Peterson, Frances Elaine (Jun.)	D.C.	Pierce, William Reamy (Univ.)	D.C.
Peterson, Hubert N. (Jun. 79)	Va.	†Piggott, Don Ernest (Jun.)	Fla.
Peterson, John Vance (Univ.)	Ky.	Pike, Jane Alvier (Law I) A.B. 1935, University of Southern California	Va.
Peterson, Leonard Durnell (Univ. and Law I) A.B. 1939, The George Washington University	Ohio	Pillard, Henry J. (Law I) A.B. 1928, St. John's College, Ohio	Ohio
†Peterson, Rolfeigh Eugene (Jun. 67)	Mo.	†Pilon, Irene Craig (Univ.)	D.C.
Peterson, Seth William (Univ.)	N.Dak.	Ponding, Gladys Dorothy (Col. 107)	D.C.
Petrauskis, Albert (Col. 70)	Ill.	Peters, Irving (Col., A.M.) B.S. 1938, College of the City of New York	N.Y.
Petricic, George John (Eng. 69)	Ohio	†Pincus, Saul (Univ.)	N.Y.
Petrokovsky, Julius Melvin (Col., A.M.)	N.Y.	Pinkerton, James Greely (Jun. 53)	Fla.
A.B. 1938, The George Washington University		†Pinkerton, Rubye Pearl (Univ.)	Fla.
Petrovich, Helen (Jun.)	Mich.	Pinnix, R. Allen (Eng. 16)	N.C.
Petsche, Charles William (Univ.)	N.Y.	Pinnow, Donald Royce (Jun.)	Ill.
Petta, Lucie Elizabeth (Ed. 94)	N.Y.	Pinson, Irene Lucille (Jun.)	D.C.
Pettersen, William Nils, Jr. (Col., A.M.) B.S. 1928, University of Utah	D.C.	Pinson, Elizabeth Howard (Jun. 9)	Tenn.
Pettyjohn, Robert Jennings (Law II)	Ark.	†Pischfeld, Harry Duval (Law I) A.B. 1923, University of Oklahoma	Okla.
Peurifoy, John Emil (Univ.)	Va.	†Pitt, Richard Vernon, Jr. (Univ.)	Va.
†Peyer, Elvira Maria (Univ.)	D.C.	Pittenger, Richard William (Jun. 2823)	
Phelan, Catherine Elizabeth (Law I) A.B. 1939, Clarke College	Wyo.	Pitts, Clara Louise (Ed., Ed.D.) A.M. 1925, Columbia University	Mass.
Phibbs, Thomas Bula, Jr. (Univ.)	Ga.	†Pitts, Helen Carolyn (Jun.)	Va.
Philips, John Joseph (Jun. 35)	Wis.	Paxer, Frances Gertrude (Jun. 64)	D.C.
Phillips, Bernath Eugene (Univ.) B.S. 1935, A.M. 1937, The George Washington University	Va.	Pizer, Vernon (Jun.)	N.Y.
Phillips, Frank DuBose, Jr. (Ed., A.M.) A.B. 1938, The George Washington University	D.C.	Place, Charles Hyatt (Med. I) A.B. 1919, Colgate University	N.Y.
†Phillips, George Edward (Univ.) A.B. 1936, Susquehanna University	Pa.	Platto, Leon (Govt., A.M.) A.B. 1929, Brooklyn College	N.Y.
Phillips, George Ernst (Govt., A.M.) A.B. 1934, College of William and Mary	Va.	†Platkin, Leopold Louis (Jun.)	N.Y.
Phillips, Joseph L. (Univ.)	Tex.	†Platkin, Max (Univ.) B.S. 1937, Long Island University	N.Y.
†Phillips, Laura Emily (Col. 112)	Md.	Poates, Julius Lee, Jr. (Univ.)	D.C.
†Phillips, Matthew Raymond (Jun.)	D.C.	Pack, Stanley Thomas (Govt. 72)	Wash.
†Phillips, Norman E. (Univ.)	Tex.	Packard, Jack Harold (Grad., Ph.D.) B.S.S. 1932, M.S. in Ed. 1934, Col- lege of the City of New York	N.Y.
Phillips, William Ieter (Law II) B.S. 1936, University of Richmond	Va.	Podnos, Seymour S. (Col., A.M.) B.S. 1937, The George Washington University	Mass.
†Phillips, William Lamar (Jun. 79/3)	Wyo.	†Poele, Vera Audrey (Col. 60)	D.C.
†Philofsky, Harold M. (Ed. 80)	Pa.	Pomeroy, Milton Alexander (Univ.)	D.C.
		Pole, Virginia May (Jun. 22)	Kans.
		Pole, Samuel Boyce (Med. I)	D.C.
		†Polk, George Francis (Univ.)	D.C.
		Pollack, Anthony (Jun. 1)	W.Va.
		Pollack, Melvin (Law II) B.S. 1933, College of the City of New York	N.Y.
		Pollack, Melvin Morton (Jun. 88; Pharm.)	D.C.
		Pollard, William Bryan (Jun.)	D.C.



Pollevo, Isidore (Jun. 30)	N.Y.	Power, Joan Louise (Jun. 12)	La.
Pollex, James Herman (Med. I)	Ohio	Powers, Albert John (Govt., A.M.)	Va.
B.S. 1930, University of Toledo		A.B. 1930, The George Washington	
Pollock, Arnold Martin (Jun.)	Va.	University	
Polvinale, William Lewis (Jun.)	D.C.	†Powers, Chalmers E. (Univ.)	D.C.
†Pomerantz, Jacob (Col. 85)	N.Y.	Powers, Irving (Law II)	Mo.
Pond, Donald Semple (Govt. 76)	N.J.	B.S. in C.E. 1934, Washington	
†Pong, Saw Ching (Ed., A.M.)	D.C.	University	
A.B. 1924, National Southeastern		Powers, Leversia Long (Ed., Ed.D.)	Pa.
University, China		A.M. 1931, Columbia University	
†Ponton, Willie (Univ.)	Va.	Powers, Violet Hefley (Jun.)	Va.
†Poole, Barbara (Jun.)	Md.	Powers, William Joseph, Jr. (Jun. 18)	D.C.
Poole, Catherine Esther (Jun.)	D.C.	†Powley, William Howard (Govt. 71)	D.C.
†Poole, Hilda Vought (Jun. 15)	D.C.	†Prange, Katharine C. (Jun.)	Ind.
†Poole, John Courtney (Law I)	D.C.	Prater, John Edward (Law II)	Okla.
†Poole, Mary L. (Univ.)	D.C.	Pratt, Stanford Chadwick (Univ.)	D.C.
B.S. 1927, Simmons College		B.S. 1918, University of Maryland	
†Poole, Thomas Malcolm (Jun.)	D.C.	Praught, Francis Clifford (Jun. 42)	Minn.
Poor, John Wilbert (Law III)	D.C.	†Prientiss, Stanton Rust (Univ.)	Va.
A.B. 1934, The George Washington		†Prescott, Edythe Raye (Univ.)	N.C.
University		†Press, Sophia (Univ.)	N.Y.
Poore, Allan Randolph (Law III)	D.C.	A.B. 1934, Cornell University	Kans.
Pope, Chester Isaac (Univ.)	Kans.	†Presson, George Edward (Jun.)	D.C.
A.B. 1911, Kansas University		Preston, Julia Christian (Col. 60)	D.C.
A.M. 1919, The George Washington		Preston, Marguerite Coleman (Jun. 25)	D.C.
University		Preston, Suzanne (Jun. 32)	Ariz.
Pope, George Allan (Jun. 70; Col.)	D.C.	Price, Dix W. (Law II)	Va.
Pope, Roselyn (Univ.)	D.C.	Price, Eber Raymond (Law I)	
Pope, Ross P. (Law I and Govt.,		A.B. 1933, Ohio University	Va.
A.M.)	Idaho	†Price, Eve S. (Univ.)	La.
A.B. 1917, The George Washington		†Price, Fred W. (Col. 116)	D.C.
University		Price, Harriet Palmer (Jun. 54)	Va.
†Pope, Wayne Forrest (Jun.)	Ga.	Price, Helen Louise (Jun. 12)	D.C.
Pope, Wendell Eugene (Law I)	Ga.	†Price, Mabel Lee (Univ.)	
B.S. 1919, Presbyterian College		A.B. 1931, Ohio State University	
Pore, Theodore Leon (Med. I)	Pa.	M.S. 1935, College of William and	
Porter, Harold Freeman, Jr. (Law I)	N.Y.	Mary	D.C.
A.B. 1928, Harvard University		†Price, Mary Kathryn (Univ.)	Md.
Porter, Mable Louise (Jun. 42)	Ala.	Price, Mildred Elisabeth (Ed., A.M.)	
Porter, Quentin Roosevelt (Jun. 20)	Maine	A.B. 1924, Western Maryland	
Porter, Stevens Strawn (Univ.)	D.C.	College	N.Y.
Portwood, Edna Lucille (Jun. 21)	Wyo.	†Price, Sylvia (Univ.)	
†Posey, Myrtle Catherine (Ed., Ed.D.)	D.C.	†Price, Thomas Albert, Jr. (Govt.,	Tex.
A.B. 1911, A.M. 1931, The George		A.M.)	D.C.
Washington University		A.B. 1939, University of Texas	
†Poslick, Ruth Hazel (Jun.)	Kans.	†Price, Troy Howard (Law I)	
Posner, Ben (Govt., A.M.)	Ariz.	A.B. 1910, Texas College of Arts	
B.S. 1916, University of Arizona		and Industries	
Posnjak, Ellen Wynne (Med. IV)	D.C.	A.M. 1936, University of Texas	Kans.
A.B. 1917, The George Washington		†Prince, Charles Stanley (Eng. 48)	Iowa
University		Prince, Nadine (Col., A.M.)	
Potter, Bennie Bernice (Jun.)	D.C.	A.B. 1935, Drake University	Tenn.
†Potter, David Melvin (Jun.)	Mo.	Prince, Sue Clark (Jun. 48)	Mo.
Potter, Gordon Vanderlip (Col. 87)	D.C.	†Pringle, Robert Douglas (Univ.)	
Potter, Harriet Dunlap (Govt., A.M.)	Ky.	B.S. in Com. 1939, Northwestern	
A.B. 1910, University of Louisville		University	Fla.
Potter, Rae Wagner (Col., A.M.)	Va.	†Pritchard, Arthur Reynolds (Jun.)	Va.
A.B. 1916, The George Washington		Pritchard, Edgar Anthony (Jun. 19)	Pa.
University		†Pritchett, Earl Wallis (Univ.)	N.C.
Potter, Ralph Edward (Eng. 70)	D.C.	†Pritchett, John Edward (Univ.)	Va.
Putz, Alma (Univ.)	Va.	Procter, Spencer Parker (Eng.)	D.C.
†Poulson, Lorna Anna (Univ.)	D.C.	Pronto, Nicholas Henry (Col. 88)	Okla.
Pounders, Harold Townley (Univ.)	Ala.	†Prophet, Russell Eugene (Univ.)	D.C.
L.L.B. 1916, LaSalle University		†Propper, Edith (Jun.)	Minn.
†Pounders, Shirley Costana (Jun.)	Ala.	Prosen, Edward Joseph (Col., A.M.)	
†Powell, Alice (Univ.)	Md.	B.S. 1928, The George Washington	
A.B. 1919, University of North		University	Mont.
Carolina		Provine, W. Nathan (Law III)	
†Powell, C. Booker (Univ.)	Va.	A.B. 1917, University of Montana	Md.
Powell, John Millard (Jun. 21)	Tenn.	†Pruitt, Hazel Marie (Jun. 39)	N.C.
Powell, Louise Conkey (Univ.)	D.C.	Pruitt, James Farris (Med. I)	
Powell, Lucille (Jun. 32)	Tenn.	B.S. 1929, Wake Forest College	Md.
Powell, Roy Bayne (Univ.)	D.C.	†Pryor, Alva Anne (Jun.)	Va.
†Powell, William T. (Univ.)	D.C.	Pryor, Anne Eugenie (Jun.)	



†Pugh, Hattie L. (Jun.)	Tex.	Ramsburg, E. Kenneth (Univ.)	Md.
Pugh, Spencer Brander (Eng. 43)	Ariz.	B.S. 1929, University of Maryland	
Pughe, George Arthur, Jr. (Col. 80)	Colo.	Ramseyer, Jane Phillips (Law I)	Iowa
†Pulliam, Alice Blanchard (Univ.)	D.C.	A.B. 1938, The George Washington University	
†Pultz, Ferdinand Vaughan (Ed., A.M.)	Va.	Randall, Bert Martin (Eng. 112)	D.C.
A.B. 1910, Washington and Lee University		Randall, Glen L. (Col. 6034)	Ariz.
Punch, Robert Duncan (Jun.)	Va.	Randall, Herbert Harold (Jun. 27)	S.C.
Purcell, Earl James (Eng., Uncl.)	Minn.	Randall, Raymond Lewis (Col. 66)	Idaho
B.S. in M.E. 1933, University of North Dakota		Randall, Robert Henry (Eng. 106)	D.C.
Purcell, Helene Mary (Jun.)	Md.	Randall, William Fady (Eng. 38)	D.C.
Purdy, William Frederick, Jr. (Law I)	N.Y.	Randolph, Richard Belling (Col. 81)	Va.
M.E. 1937, Stevens Institute of Technology		†Ransom, Marvin (Jun.)	D.C.
Purlia, Paul Louis (Jun. 38)	Ariz.	†Ransaw, Branch Vandalia (Law I)	Tenn.
†Pusey, Lewis Barron, Jr. (Univ.)	Md.	B.S. 1933, East Tennessee State Teachers College	
†Putnam, Katherine Louise (Jun.)	D.C.	Rankell, Arthur (Col., A.M.)	N.Y.
†Putney, Grace Elizabeth (Univ.)	N.H.	B.S. 1931, College of the City of New York	
†Pyron, Harold Theodore (Jun.)	Fla.	†Rankin, Albert Marshal (Eng.)	Pa.
		Randall, Joseph Winfield (Law I)	Idaho
		Randall, Mortimer (Jun. 71, Govt.)	N.Y.
		†Raper, Julian Edwirth (Law I)	N.C.
		A.B. 1932, University of North Carolina	
		†Raphon, Chester (Col., A.M.)	N.Y.
		B.S. 1939, College of the City of New York	
		†Rappaport, Carl R. (Univ.)	N.Y.
		B.S. 1939, College of the City of New York	
		Rappleye, Howard Snyder (Eng. 129)	D.C.
		Rappolt, John Paul (Col., A.M.)	D.C.
		A.B. 1935, The George Washington University	
		†Raskewski, Frank Joseph (Univ.)	Ohio
		†Rasmussen, Wayne David (Univ.)	Mont.
		A.B. 1937, University of Montana	
		A.M. 1939, The George Washington University	
		Rast, Carolyn Frankum (Ed. 116)	D.C.
		Rath, Lester Deiber (Jun. 6)	Iowa
		Ratner, Benjamin (Law II)	N.Y.
		A.B. 1933, Brooklyn College	
		†Rat, Gilbert Edwin (Jun. 12)	Va.
		Rausenbush, Stephen (Grad., Ph.D.)	Pa.
		A.B. 1937, Adelphi College	
		†Ravello, Peter N. (Univ.)	D.C.
		Ph.B. 1931, University of the Philippines	
		Ravens, Joseph Thomas (Jun. 15)	N.J.
		Ravitz, Harry I. (Law II)	Utah
		B.S. 1937, University of Utah	
		Raw, Beatrice Grace (Jun. 30)	D.C.
		Rawitz, Leonard David (Univ.)	N.Y.
		Rawlings, Gene Elizabeth (Jun. 18)	Va.
		†Ray, Anna Elizabeth (Univ.)	N.C.
		B.S. 1939, Asheville Normal and Teachers College	
		†Ray, George Wesley (Law I)	Miss.
		B.S. 1934, University of Mississippi	
		M.B.A. 1936, Harvard University	
		Ras, John Wesley (Law I)	D.C.
		A.B. 1938, Washington and Lee University	
		Ras, Marie Louise (Univ.)	D.C.
		A.B. 1935, College of Mount St. Vincent	
		Rea, Gloria (Jun. 19)	D.C.
		†Read, Roby Charles (Jun.)	La.
		Ream, Dorothy Jean (Univ.)	Ill.
		A.B. 1931, Northwestern University	

## Q

Quade, Willie Oldham (Jun. 12)  
 Quante, Dorothy Belle (Jun. 29)  
 Quarles, John Dana (Jun. 79)  
 Quattlebaum, Charles Albert (Ed., A.M.)  
 A.B. 1933, University of Georgia  
 Quattlebaum, Martha Carolina (Col., A.M.)  
 A.B. 1931, Erskine College  
 Quallly, Mary Custis (Jun.)  
 Quill, Richard O. (Univ.)  
 †Quinn, Arthur A. Martin (Univ.)  
 Quinn, Harold Joseph (Eng. 9)  
 †Quintrell, John Erskine, Jr. (Jun. 54)  
 Quirk, Betty Claire (Law I)  
 A.B. 1936, University of Maryland

Tex.  
 Md.  
 Va.

S.C.

S.C.

D.C.

N.Dak.

N.Y.

D.C.

Md.

D.C.

## R

Rabineau, Morton (Eng. 57)  
 †Rabinowitz, Hyman Nathan (Univ.)  
 Rabkin, Boris (Med. I)  
 A.B. 1939, New York University  
 †Race, Anthony J. (Univ.)  
 A.B. 1935, Ohio University  
 L.L.B. 1940, The George Washington University  
 †Radcliffe, Dallas L. (Univ.)  
 Radkowsky, Alvin (Col., A.M.)  
 B.S. in Eng. 1935, College of the City of New York  
 Radtke, Ethel A. C. (Univ.)  
 A.B. 1929, Lawrence College  
 Rafferty, Muriel Ruth (Jun. 34)  
 †Rafter, Beatrice Veronica (Univ.)  
 Raguso, Grier Henry (Univ.)  
 †Ragusa, Wilhelmina Estelle (Jun. 48)  
 Rainis, Sadie Shirley (Jun. 30)  
 Raisbeck, Frank Maxwell (Col., A.M.)  
 A.B. 1938, The George Washington University  
 Rait, Donald M. (Eng., Uncl.)  
 B.S. in C.E. 1937, The George Washington University  
 Raker, John Peter (Law II)  
 A.B. 1936, Muhlenberg College  
 Raley, Rita V. (Jun.)  
 †Ramey, Elizabeth Margaret (Ed., A.M.)  
 A.B. 1929, The George Washington University  
 †Ramm, Eloise Mary (Univ.)

D.C.  
 N.Y.  
 N.Y.

Ohio

D.C.

N.J.

Wis.

Va.

Pa.

Tex.

N.Y.

Calif.

Wis.

Ariz.

Fla.

Md.

Va.

Kans.

Reardon, Catherine Cooper (Univ.) A.B. 1928, College of William and Mary	Va.	Renkes, Dorothy (Jun. 18)	Wis.
Reardon, Wilfred J. (Law II)	Wis.	Renner, Edith Elizabeth (Col. 04)	Pa.
Reasin, Henry Cole (Jun. 48)	Mich.	Renner, Myrtle Louise (Jun. 32)	Pa.
Reasoner, Carroll Dean (Law I)	Iowa	†Repetti, Catherine Louise (Jun. 5)	D.C.
B.S. in Com. 1939, State University of Iowa		†Repetti, George Vincent (Eng. 5)	D.C.
Rebert, Richard Ross (Col. 59)	Pa.	†Resh, Mary Sherman (Univ.)	D.C.
Rebold, Joseph (Law II)	N.Y.	A.B. 1928, A.M. 1930, The George Washington University	N.J.
B.S. 1912, College of the City of New York		Resnick, Solomon (Med. I)	
Redd, John Edward (Univ.)	Va.	B.S. 1919, Yale University	D.C.
†Reddick, Ben Hill (Jun. 24)	Ala.	†Resseger, William James (Jun. 117)	D.C.
Redinger, Carol Chalmers (Eng. 33)	D.C.	Reuter, Francis Jean (Col., A.M.)	
†Redlener, Joe (Jun. 50)	N.Y.	B.S. 1935, Columbia University	D.C.
†Redman, M. Chandler (Law II)	Maine	†Reynolds, Cedric Okell (Ed., Ed.D.)	
A.B. 1934, Bowdoin College		A.B. 1928, A.M. 1932, West Virginia University	Ohio
†Redmond, Mary Catherine (Univ.)	D.C.	Reynolds, Elbert Lamar (Univ.)	
A.B. 1929, University of Kentucky		Reynolds, George Elkanah Swann (Grad., Ph.D.)	D.C.
Reed, Annis Elizabeth (Univ.)	D.C.	A.B. 1935, A.M. 1937, The George Washington University	Md.
A.B. 1937, Smith College		Reynolds, June Cooper (Univ.)	D.C.
†Reed, Charles Parke (Jun. 10)	N.Dak.	Reynolds, Mary Frances (Jun. 26)	D.C.
†Reed, Daisy M. (Univ.)	D.C.	Reynolds, Mary Lovell (Jun.)	D.C.
Reed, Emmett Lee (Univ.)	D.C.	†Reynolds, Victor Thomas (Univ.)	D.C.
†Reed, Flood Everett (Univ.)	Conn.	Reznek, Louis (Law I)	
Reed, James Merritt (Jun. 71)	D.C.	B.S. in M.E. 1937, The George Washington University	Ill.
Reed, Octavia Eisinger (Ed. 89)	D.C.	Rhetta, Ruth Fisher (Law I)	
Reed, Roth Alden (Univ.)	N.Y.	A.B. 1934, Stanford University	Oreg.
Reed, Rufus (Law I)	D.C.	†Rhine, Hollister (Jun.)	Pa.
A.B. 1938, University of Pennsylvania		Rhine, Mary Elizabeth (Jun. 15)	D.C.
Reed, Vaughn DeWitt (Law II)	Ohio	†Rhine, Myrl Opal (Univ.)	Ala.
†Rees, Howard David (Univ.)	Md.	Rhoads, Lee McHenry (Col. 75)	Mo.
A.B. 1934, A.M. 1938, The George Washington University		Rhodes, Emmett C. (Col. 70)	Mo.
Reese, Dean Kepner (Jun.)	Pa.	*Rhodes, Francis Marion (Law III)	
Reese, Jane Esther (Col. 72)	D.C.	A.B. 1932, Southeast Missouri State Teachers College	Idaho
†Refert, Alfred Gerard (Univ.)	N.Y.	†Rhodes, Jack Marion (Law II)	
†Reif, Israel (Univ.)	N.Y.	A.B. 1917, College of Idaho	Idaho
B.S. 1918, Cooper Union		Rhymes, David Isome (Jun. 35)	Va.
†Regan, Loda Marie (Jun. 15)	Wis.	†Ribble, Caroline Marshall (Ed. A.M.)	
†Regan, William Paul (Univ.)	Oreg.	B.S. 1927, College of William and Mary	Va.
Reschert, Anna Helen (Univ.; Jun. 21)	Ill.	Ribble, Frances I. Barton (Ed. A.M.)	
Reichman, Alfred Alexander (Ed., A.M.)	N.C.	B.S. 1929, Mary Washington College	N.Y.
A.B. 1935, Duke University		Ricebuno, Sebastian (Univ.)	Va.
†Reid, Katherine Eunice (Ed. 85½)	Ala.	Rice, Alva Wenonah (Col., A.M.)	
Reid, Robert Lawrence (Jun. 65)	Ariz.	B.S. 1916, Madison College	Ill.
Reid, Stella Mae (Jun. 87)	N.C.	Rice, Bernard (Col., A.M.)	
Reisnyder, Charles Frank (Jun. 15)	Pa.	B.S. 1927, The George Washington University	D.C.
Reisnyder, Howard Benner (Eng.)	Pa.	†Rice, James Harry (Jun. 5)	Ohio
Rein, Milton (Jun.)	N.Y.	†Rice, William Benton (Univ.)	D.C.
Reinhardt, William C. (Eng. 49)	Wash.	†Rich, Anita Britt (Jun.)	D.C.
†Reinhardt, James Lane (Eng. 30)	W.Va.	†Rich, Annette Beatrice (Jun. 62)	Idaho
†Reinshel, Louis Theodore (Law, LL.M.)	D.C.	†Rich, Edward Hunter (Law, Und.)	Conn.
A.B. 1914, LL.B. 1918, University of Manitoba		Rich, George Hutchinson (Law II)	
Reiser, Raymond Harold (Jun. 33)	Pa.	A.B. 1917, Colgate University	N.Y.
†Reiss, Meyer (Univ.)	N.Y.	Rich, Helen Louise (Jun.)	D.C.
B.S. 1911, College of the City of New York		Rich, Herbert J., Jr. (Univ.)	Pa.
Reiss, Samuel (Col., A.M.)	D.C.	†Rich, Margaret Shaw (Univ.)	Va.
E.E. 1930, College of the City of New York		A.B. 1935, Brown University	
Reitman, James Stuart (Med. I)	N.J.	Richard, Glenn Ulmar (Law II)	
B.S. 1918, New York University		A.B. 1910, Municipal University of Wichita	Va.
*Reison, Morris (Col., A.M.)	N.Y.	B.S. 1914, Georgetown University	
B.S. 1934, College of the City of New York		*Richard, Mildred Graham (Ed., A.M.)	
Remmlein, Madaline Kinter (Ed., Ed.D. and Law Und.)	D.C.	A.B. 1929, Municipal University of Wichita	D.C.
D.U.P. 1933, Sorbonne University		Richards, Channing Leathers (Law II)	D.C.
Renfroe, Lawrence Wellborn (Jun. 38)	Fla.	M.E. 1934, Cornell University	Utah
		†Richards, Harold Herbert (Univ.)	
		Richards, Larry Greenwell (Col. 84½)	



Richards, Phyllis E. (Univ.)	D.C.	†Roberts, David Wells (Grad., Ph.D.)	Calif.
†Richardson, Franklin Lewis (Univ.)	Fla.	B.S. 1921, United States Naval Academy	
Richardson, George William (Ed. 86)	D.C.	A.M. 1937, Georgetown University	
†Richardson, Henry A. (Eng. 21)	Fla.	‡Roberts, Frank Stuart (Univ.)	Pa.
Richardson, Marie E. (Col., A.M.)	Ark.	Roberts, Franklin Batcheller (Eng. 58)	N.Y.
A.B. 1938, The George Washington University		Roberts, Helen Keeler (Col., A.M.)	D.C.
Richardson, Reginald Mallory (Pharm. 92)	D.C.	A.B. 1938, The George Washington University	
‡Richman, Miriam Caroline (Univ.)	D.C.	Roberts, Ora Herbert, Jr. (Law III)	Ind.
Richman, Thomas Lefoy (Col., A.M.)	Idaho	A.B. 1937, Evansville College	
A.B. 1939, The George Washington University		†Roberts, Sallie (Jun.)	Ga.
Richmond, Frederic (Univ.)	D.C.	Robertson, Duncan (Med. II)	Alaska
Richmond, John Wellesley (Eng. 67)	Va.	A.B. 1938, Stanford University	
Richter, Stephanie (Jun. 15)	Conn.	Robertson, Edmund (Jun. 24)	Md.
Richwine, George Herbert (Ed., Ed.D.)	Pa.	‡Robertson, James Alexander (Univ.)	Md.
A.B. 1923, Ph.B. 1927, Muhlenberg College		Robertson, Mary Brooks (Jun. 61)	D.C.
Riddick, Gordon Matber (Jun. 34)	D.C.	Robertson, Patricia (Jun. 4)	D.C.
Riddle, Virginia B. (Jun. 51)	Wash.	Robertson, W. E. (Jun. 4)	Minn.
Riecks, John Maydwell (Ed., A.M.)	Md.	Robertson, William Whalen (Med. II)	N.Y.
B.S. 1933, Wilson Teachers College		A.B. 1938, University of Rochester	
Rife, Oscar Jennings, Jr. (Law I)	W.Va.	†Ribe, Betty Jean (Univ.)	D.C.
A.B. 1939, The George Washington University		Ribe, Edgar Alderson (Jun. 60; Col.)	D.C.
†Riggins, Edith Myrtle (Univ.)	D.C.	Ribe, Thomas Edward (Eng. 13)	Md.
‡Riggs, James David (Govt. 114)	Ohio	Ribe, William A. (Med. II)	Md.
Rigsbee, F. Catherine (Jun. 27)	N.C.	Robinson, Annetta Jane (Jun. 1 Univ.)	D.C.
†Rigsby, William James (Univ.)	Ala.	‡Robinson, Charles Edward (Law I)	Ala.
A.B. 1930, College of Wooster	Va.	B.S. 1938, University of Alabama	
Riley, Norman Adam (Law I)	Ind.	Robinson, Joe Adams (Grad., Ph.D.)	Okla.
A.B. 1938, Butler University		B.S. 1935, University of Oklahoma	
†Riley, Ruth Wood (Univ.)	D.C.	A.M. 1937, The George Washington University	
‡Riley, William Patrick (Univ.)	Ky.	Robinson, Lawrence Beaver (Univ.)	Ala.
Rimel, Irvin Harold (Law I)	Ill.	Robinson, Lee Morgan (Law II)	D.C.
B.S. in Chem.E. 1934, University of Illinois		B.S. 1936, Catholic University of America	
Rinehart, Albert Walton (Eng. 24)	D.C.	Robinson, Maree (Jun. 40)	D.C.
†Riner, James Austin, Jr. (Univ.)	Ill.	Robinson, Murray (Law II)	D.C.
Ringel, Abraham (Col. 74)	D.C.	B.S. 1936, Worcester Polytechnic Institute	
Rinker, Royden Carrington (Col., A.M.)	Va.	Robinson, Pauline (Univ.)	N.C.
B.S. 1939, The George Washington University		A.B. 1934, Duke University	
Ripley, Euphrosine Agatha (Jun. 24)	N.Dak.	Robinson, Tom Morris (Jun. 53)	N.Mex.
‡Risser, Francis Buchanan (Univ.)	D.C.	Robinson, William Mathews (Jun.)	D.C.
B.S. in M.E. 1911, University of Washington		Robison, George Hamilton, Jr. (Univ.)	N.Y.
Rissler, Robert L. (Jun. 28)	W.Va.	†Robles, Romulo Duley (Univ.)	D.C.
Ritnour, William Sibbit (Law I)	Miss.	‡Roby, Dorothy (Col., A.M.)	Md.
A.B. 1927, Mississippi College		A.B. 1937, University of Maryland	
A.M. 1929, State University of Iowa		‡Roby, Janet Frothingham (Univ.)	Md.
Rittenour, John Russell (Med. IV)	D.C.	Roby, Maud Frothingham (Ed., A.M.)	Md.
Ritter, Julius Charles (Univ.)	Ill.	B.S. 1936, University of Maryland	
Ritterhoff, Warren John (Jun.)	D.C.	Roca, Paul McLennan (Law II)	Ariz.
Rixse, George Edward (Eng. 29)	Va.	A.B. 1933, University of Arizona	
Rixse, Spencer Benjamin (Eng. 82)	Va.	Roca, Maria Teresa (Col. 1938)	Va.
Roadley, C. Robert (Jun. 15)	N.Y.	Rocato, Edgar John (Eng. 69)	D.C.
†Robbins, Frederic P. (Univ.)	Tex.	Rochelle, William Jennings, Jr. (Law III)	Tex.
Robbins, Mary Louise (Col., A.M.)	Md.	A.B. 1938, The George Washington University	
A.B. 1934, American University		Rold, Elmer Ruth (Univ.)	D.C.
‡Robbins, Ruth Wyman (Univ.)	D.C.	Rodchearer, Earl Nedrow (Med. I)	W.Va.
A.B. 1927, University of Minnesota		A.B. 1932, West Virginia University	
Roberge, Arthur Robert (Univ.)	Wis.	Roden, Donald C. (Col. 873)	Utah
Roberson, Sue Wall (Law I)	N.C.	Rodriguez, Luis Octavio (Govt. 78)	P.R.
A.B. 1926, Woman's College of the University of North Carolina		Roeving, George Carl (Law III)	Wis.
Roberts, Charles Gilbert (Ed., A.M.)	D.C.	B.S. 1930, University of Wisconsin	
B.S. 1934, Springfield College		Rolle, Frances Lolita (Col. 01)	Va.
		‡Rogers, Irene Louise (Univ.)	D.C.
		Rogers, Elizabeth Scattergood (Jun. 44)	Va.
		†Rogers, Harry Brown, Jr. (Univ.)	D.C.
		Rogers, Iffie Clarence (Univ.)	N.J.
		Rogers, John Michael (Jun.)	D.C.
		Rogers, Peter V. (Jun. 18)	N.Y.
		Rogers, Raymond Austin (Jun. 60½)	D.C.



†Rogerson, Norman Richards (Univ.) A.B. 1937, Colby College	Maine	Rosey, Jerry Arnold (Jun. 7523)	D.C.
Rohde, Clifford Margaret (Univ.) A.B. 1930, Coe College	Iowa	Rosner, Harry (Law III) A.B. 1911, A.M. 1933, Cornell University	D.C.
Rohrbaugh, Austin Bertram, Jr. (Med. III)	Md.	Rosoff, Leon Albert (Jun. 31)	Va.
A.B. 1917, Duke University		Ross, Allen Murray (Col. 121)	Ariz.
†Rohrbough, Edith Virginia (Univ.)	W.Va.	Ross, Dee Claude (Eng. 41)	Va.
Rolczynski, Stanley F. (Univ.)	Va.	Ross, Frances Louise (Jun.)	D.C.
A.B. 1938, North Dakota State Teachers College, Mayville		Ross, John W. (Jun. 23)	Mch.
†Roller, Jane Wenonah (Col., A.M.) B.S. 1928, The George Washington University	D.C.	Ross, Lucy LaVonne (Jun. 24)	N.J.
Rolston, Elizabeth (Ed., A.M.) B.S. 1922, Madison College	Va.	†Ross, Ruth (Jun. 43)	D.C.
Romano, Melvin (Jun. 18)	N.Y.	Rostenberg, Adolph, Jr. (Univ.) A.B. 1926, Columbia University	
Romano, Albert (Jun.)	Pa.	M.D. 1911, McGill University	Md.
Romine, Helen Rose (Univ.)	D.C.	Rote, Max Weymouth (Ed., A.M.) A.B. 1916, The George Washington University	
†Rome, Leona B. (Univ.)	N.Y.	Rothberg, Allan (Jun. 94)	D.C.
Rome, James John (Univ.)	Va.	†Rothbush, Franklin George (Univ.)	Pa.
Rome, John Joseph (Govt. 61)	Pa.	Rothmel, Robert O., Jr. (Ed., A.M.) A.B. 1917, Albright College	Pa.
†Romer, Robert Francis (Univ.) B.S. 1938, M.S. 1939, University of Texas	Tex.	†Rothman, Milton (Univ.)	Md.
Romig, Clyde Edison (Law III)	Ohio	Rothrock, Dale L. (Jun. 48)	Cal.
Romas, Thomas Warren (Jun. 55)	D.C.	Rothrock, John Blaine (Govt. 54)	N.Y.
Romney, Jack Harding (Jun. 11)	Va.	†Rothstein, Samuel (Govt., A.M.) B.S. 1935, Brooklyn College	N.J.
†Romney, Kenneth, Jr. (Univ.)	Mont.	†Rottenberg, Seymour A. (Jun. 1)	R.I.
†Romero, Peter Paul (Jun.)	N.J.	†Rottenberg, Simon (Col., A.M.)	D.C.
†Roney, William Jack (Jun.)	D.C.	°Rounds, Elizabeth Wilkinson (Ed. 124)	Mass.
Rooney, Catherine Marie (Ed., A.M.) A.B. 1931, The George Washington University	D.C.	†Rounds, Frank Wendell, Jr. (Univ.) A.B. 1938, Princeton University	Utah
Roney, Miriam Theresa (Law I) A.B. 1910, A.M. 1912, Ph.D. 1937, Catholic University of America	Mass.	†Rounds, Hugh Grant (Jun.)	N.J.
Roop, Frederick Crouch (Univ.) A.B. 1935, Princeton University M.S. in E.E. 1936, Harvard University	N.J.	Revinski, Helen, Therese (Med. I)	
Roor, Lucile F. (Jun. 18)	D.C.	†Rovner, Louise Miriam (Govt., A.M.) B.S. 1934, New Jersey College for Women	N.J.
†Roopmore, Walter Paul (Univ.)	Tex.	Rowdybush, Jessie (Ed., A.M.) B.F.A. 1911, Syracuse University	Md.
Rose, Charles Jules (Jun. 32)	D.C.	Rower, Elvyn Romayne (Law III) A.B. 1927, A.M. 1928, University of Wisconsin	D.C.
†Rose, David (Jun. 38)	N.Y.	Rowe (Jun. 11)	N.C.
Rose, J. Hugh (Ed. 78)	D.C.	Rowell, Russell (Jun. 32)	Md.
Rose, Martin Harold (Med. II)	D.C.	Rowland, Greelman (Univ., Ed., A.M.)	N.C.
Rose, Norman (Col. 86)	D.C.	A.B. 1928, Greensboro College for Women	
Rosen, Bertha Robt. (Ed. 113 5/6)	Pa.	Rowland, William Edwin (Jun.)	Tex.
†Rosen, Elise Timberlake (Univ.) B.S. 1926, University of Illinois	D.C.	†Roy, Doris Maynard (Univ.)	Br. W. Ind.
†Rosen, Murray L. (Univ.)	Ill.	B.S. 1915, Temple University	
†Rosenbaum, Moses Aaron (Eng. 14)	N.Y.	Ravall, Helen Louise (Jun. 53)	Ark.
Rosenberg, Leo (Jun. 56)	Tex.	Razutsky, Bernard (Law I)	D.C.
†Rosenberg, Lillian (Univ.)	N.Y.	Rachma, George Jack (Law I)	Ill.
Rosenberg, Morris Harsh (Med. III) A.B. 1918, The George Washington University	D.C.	B.S. in M.E. 1918, Lewis Institute	D.C.
†Rosenblatt, David Bar Mashee (Jun. 41)	N.Y.	Rubenstein, Samuel David (Jun. 86)	Pa.
†Rosenblatt, Elsie Herman (Jun.)	Conn.	Rubenstein, Samuel David (Col., A.M.) M.E. 1925, Columbia University	Ill.
Rosenblatt, George (Univ.)	D.C.	Rubin, Harold Howard (Govt. 50)	Pa.
Rosenblum, Sara R. (Univ.)	Pa.	†Rubin, Irene Ruth (Univ.)	Me.
Rosenblum, Roscoe (Jun. 26)	D.C.	†Rubin, Lawrence (Jun.)	D.C.
†Rosenfeld, Bertram (Jun. 32)	Oreg.	Rubin, Robert Louis (Jun. 11)	Pa.
Rosenfeld, Harriet W. (Jun.)	Pa.	†Rubin, Sherman (Law 3)	D.C.
°Rosenfeld, Maurice (Law III) B.S. 1917, University of Oregon	Oreg.	†Rubin, William Richard (Jun. 25)	N.Y.
Rosenthal, Gerald Leonard (Jun. 27)	D.C.	Rubinstein, Bernard (Law II) B.S. in M.E. 1914, New York University	N.Y.
†Rosenthal, Joseph Leonard (Col., A.M.) A.B. 1919, Brooklyn College	N.Y.	Rubinstein, Nathan (Law I) A.B. 1917, Duke University	Md.
†Rosett, Anita Lillian (Jun.)	D.C.	Ruckman, Netta Elliott (Law I) B.S. 1915, M.S. 1916, Massachusetts Institute of Technology	D.C.
†Rasewag, May Elizabeth (Univ.)	Md.	Ruddell, Mary Elvia (Jun. 60)	

†Ruddy, Joseph Cornelius (Univ.) A.B. 1932, A.M. 1933, Pennsylv- ania State College	Pa.	Sadler, Philip Monroe, Jr. (Govt., A.M. and Law I)	Tenn.
†Rudisin, Michael (Jun.)	Pa.	B.S. 1938, Tennessee Polytechnic Institute	
Ruestow, Edward Alan (Law III)	D.C.	Saegmuller, Virginia Rose (Jun. 32)	D.C.
Ruffin, Joseph Vincent (Univ.)	N.J.	Sater, Herzmark (Jun. 24)	D.C.
Ruffner, Ralph Windsor (Ed., A.M.)	D.C.	Sayer, Ruth (Jun.)	Ill.
Rumerman, Herbert (Univ.)	Va.	Sayer, William Frederick (Col., M.S.)	D.C.
B.S. 1930, The George Washington University		B.S. 1929, The George Washington University	
†Rumerman, Selma (Univ.)	Va.	Sago, Hamilton Robert (Univ.)	Md.
Rummel, Millard Paul (Univ.)	W.Va.	Saunders, Dora (Univ.)	D.C.
Rumshin, Robert (Jun. 84; Govt.)	D.C.	Sandman, Aaron Gilbert (Med. IV)	D.C.
Rundvold, Inga Elizabeth (Univ.)	D.C.	†St. Arnold, Isabelle (Jun.)	Mich.
Ruppert, Charles Forrest (Jun.)	D.C.	St. Omer Roy, James Augustin (Col., A.M.)	D.C.
Rush, Donald Wesley (Govt. 99)	D.C.	B.S. in E.E. 1920, The George Washington University	
Rush, Eugene Alvin (Law I)	Mich.	Sakowski, Arthur (Jun. 24)	Pa.
A.B. 1919, University of Texas		Salamanca, Jack Richard (Jun.)	D.C.
†Rush, John Miles (Govt., A.M.)	Kans.	†Sale, Kathryn Bea (Univ.)	D.C.
A.B. 1918, Friends' University		B.S. 1939, College of William and Mary	
†Rushing, Albert Johnson (Univ.)	Mo.	Salisbury, Marguerite Virginia (Jun. 12)	Va.
B.S. 1918, Southeast Missouri State Teachers College		Salsbery, Milton C. (Col. 99)	Mich.
†Rushing, William Jackson (Jun.)	Tex.	†Salmon, Helen Marie (Univ.)	D.C.
Russell, Amos O'Neal (Univ.)	D.C.	Salisbury, Harry Jefferson (Law II)	Mo.
Russell, Fielding Dillard (Grad., Ph.D.)	Ga.	B.S. 1924, Central Missouri State Teachers College	
A.B. 1925, A.M. 1930, University of Georgia		Salschutz, Norman Lawrence (Jun. 12)	N.Y.
†Russell, Foster William (Univ.)	D.C.	Sammons, Robert Lee (Col., A.M.)	Minn.
Russell, Frederick William (Jun. 55)	Va.	Santer-Ortega, Daniel (Univ.)	D.C.
†Russell, James Bernard (Eng.)	D.C.	Samperton, Mary Josephine (Jun.)	D.C.
Russell, John Wilson (Jun. 25)	Ill.	†Sampson, Gladys Irene (Col., Uncl.)	S.C.
†Russell, Joseph Grayson (Univ.)	D.C.	A.B. 1927, A.M. 1931, University of South Carolina	
Russell, Margaret Beveridge (Ed. 66)	D.C.	Sampson, Justine Ware (Col. 76)	D.C.
Russell, Myrtle Ellen (Jun. 53)	N.Dak.	Sampson, Victor Junior (Ed., A.M.)	Ill.
Russell, Olivia (Ed., Ed.D.)	D.C.	B.S. 1929, The George Washington University	
A.B. 1920, A.M. 1925, Columbia University		Samson, Chester Page (Jun.)	Okla.
*Russell, Ruth Ladd (Ed., A.M.)	Md.	†Samson, Noella Clara (Jun.)	Maine
B.S. 1933, Wilson Teachers College		Samson, Dora (Law 12)	D.C.
†Russell, Sidney Wenzel (Col., Uncl.)	Md.	Sandberg, Carl Ivar (Eng. 17)	D.C.
A.B. 1915, Catholic University of America		Sanders, Elizabeth Grace (Jun. 18)	Pa.
†Russell, Stanton Best (Jun. 46)	D.C.	†Sanders, Marion Edna (Univ.)	D.C.
Russell, Stuart Hamilton (Law I)	Okla.	Sanders, Walter Ernest (Jun. 32)	D.C.
Rust, Anne Hooe (Col. 59)	Va.	Sanders, William (Grad., Ph.D.)	D.C.
Rutherford, George Little, Jr. (Law I)	N.Y.	A.B. 1928, Stanford University	
A.B. 1935, Hamilton College		Sanders, Zack Witten (Med. III)	W.Va.
†Ryan, Agnes Alice (Ed. 60)	D.C.	A.B. 1935, University of North Carolina	
Ryan, James Francis (Law II)	D.C.	†Sandison, Forte Holliday (Pharm., Uncl.)	Md.
†Ryan, John Butler (Jun. 6)	Wash.	A.B. 1922, State Teachers College, Salisbury Md.	
Ryan, Joseph P. (Jun.)	Mass.	Sandler, Julius (Govt. 97)	D.C.
Ryan, Katherine Ann (Jun. 45)	Va.	Sandmore, Marion Monfred (Col., A.M.)	N.Y.
Ryan, Katherine Mary (Jun.)	Conn.	A.B. 1910, Hunter College	
Ryan, Martin Ambrose (Univ.)	Md.	Sandoval, Ernest Urbano (Law II)	Colo.
Rylee, Willie Yeates (Law I)	Miss.	Sanducks, Bernard Murtmer (Jun. 30)	N.Y.
B.S. 1939, American University		Saunders, George Edward (Eng. 89)	D.C.
Rynerson, Robert Wallace (Col. 64)	Kans.	Sauter, Verna Lane (Jun. 10)	D.C.
		Sapp, Carl Robert (Govt. 81)	Ill.
		Sappentold, Keith Myles (Jun. 60)	Ind.
		Sappington, Albert Osborn (Jun. 24)	D.C.
		Sawant, Collier Thornhill (Univ.)	D.C.
		A.B. 1922, A.M. 1923, The George Washington University	
		Sawyer, Claude Henry (Jun.)	D.C.
		Sawfield, Orlando L. (Govt. 22)	W.Va.
		Sawyer, Fred Peter (Jun. 28)	D.C.
		Sawwell, Mary Katherine (Jun. 26)	D.C.

## S

†Saari, Helen Juliet (Jun. 22)  
†Saari, Margaret (Jun.)  
Sabatini, Marion Virginia (Jun. 30)  
Sablove, Albert Jacob (Jun. 16)  
Saehs, August Frederick (Eng. 91)  
Sackett, Dwight Burnham (Univ.)  
†Sacks, Dorothy Fitt (Ed. 56)  
Sacks, Hazel (Law I)

Minn.  
Minn.  
D.C.  
N.Y.  
D.C.  
Uncl.  
Va.  
N.Y.



Sassani, Michael Joseph (Univ.)	N.Y.	Schoenfeld, Martha Wills (Jun. 62)	D.C.
Satterthwaite, Elma Adaline (Jun. 45)	Ohio	Schoenfelder, Otto William (Law II)	S.Dak.
†Satz, Gertrude (Jun.)	Minn.	A.B. 1933, The George Washington University	
Saugstad, Edgar Van Valey (Jun. 24)	D.C.	†Scholl, Walter Fillmore (Jun.)	D.C.
Saury, August Joseph (Jun.)	Ohio	†Schoneberger, Elizabeth Hind (Univ.)	D.C.
†Savin, Margaret Noble (Univ.)	D.C.	Scholler, Jack (Jun. 60)	Va.
†Sawyer, Raymond (Univ.)	Colo.	†Schoolfield, James Edward (Eng. 30)	Iowa
A.B. 1931, University of New Hampshire		†Schoonover, Tedford Eugene (Jun. 66)	N.Y.
LL.B. 1934, LL.M. 1935, University of Colorado		Schreiber, Carl (Jun. 53)	Md.
Saylor, Lawrence Webster (Grad., Ph.D.)	Calif.	†Schreiber, Henry Richard (Jun. 89)	Tex.
B.S. 1934, M.S. 1934, University of California		†Schreiber, Hollis William (Jun. 70)	D.C.
Scanlan, Daniel James (Eng. 3)	D.C.	Schreiber, Mary Alice (Jun. 55)	Ala.
Scarianno, Anthony (Jun. 46)	Ill.	Schrimsher, Rice Emmett (Law II)	S.Dak.
†Schaeffer, Dorothy Elizabeth (Jun.)	D.C.	Schroeder, Mele Edwin (Col. 104)	D.C.
Schaefer, Frederick (Univ.)	D.C.	†Schubert, Hanni (Univ.)	Pa.
B.S. in C.E. 1925, The George Washington University		Schugar, Emanuel (Law I)	
LL.B. 1928, Georgetown University		B.S. in M.E. 1934, Carnegie Institute of Technology	D.C.
Schaefer, Lorraine Janet (Jun.)	Wis.	Schulman, Cyril Augustus (Med. II)	
Schaler, Shirley (Jun. 42)	Wis.	B.S. 1918, The George Washington University	N.Y.
†Schaffer, Margaret Louise (Jun.)	Minn.	Schulman, Fred (Col., A.M.)	
Schaffer, Paul Samuel (Col., A.M.)	Pa.	A.B. 1939, Brooklyn College	D.C.
B.S. 1935, The George Washington University		†Schulman, Ida (Univ.)	Wis.
Schach, Wilbur Allison (Law II)	D.C.	Schult, Veryl Gladys (Ed., Ed.D.)	
B.E.E. 1936, Ohio State University		A.B. 1927, University of Wisconsin	
Schaler, Otto Gerhard (Univ.)	N.Y.	A.M. 1938, The George Washington University	
Schaper, Lillie Wilhelmina (Govt., A.M.)	Ariz.	Schulte, Beata Fredericks (Jun. 6)	Minn.
B.S. 1929, University of Arizona		†Schulte, Charles Anthony (Eng. 82)	Mich.
Scharringer, Anna (Col., A.M.)	Md.	Schulte, Rowland Wingfield (Eng. 46)	Va.
B.S. 1937, The George Washington University		†Schultz, Bernard (Univ.)	N.Y.
Schatz, Muriel Maxine (Jun. 19)	D.C.	Schultz, John Hooker (Univ.)	D.C.
Schayer, Lillian Gerstein (Jun. 94)	D.C.	Schultz, Reeva Lee (Jun. 32)	Nebr.
Schayer, Richard William (Col. 90)	D.C.	Schumacher, Jack (Jun. 27)	D.C.
Scheela, William Myron (Jun. 33)	Minn.	Schutte, Francis Alfonso (Grad., Ph.D.)	
Scheer, Margaret Ernestine (Col., A.M.)	Iowa	B.S. 1928, University of Cincinnati	
A.B. 1919, The George Washington University		A.M. 1935, University of Maryland	D.C.
Scheibel, Kenneth Maynard (Jun. 22)	D.C.	†Schwartz, Bella (Jun. 39)	N.Y.
†Schenk, Dan William (Jun.)	S.Dak.	†Schwartz, Betty Blanche (Univ.)	D.C.
Schepmoes, Douglas Fox (Col. 103)	Va.	Schwartz, Irving (Jun.)	N.Y.
Scheuch, Charles Daniel (Jun. 15)	D.C.	†Schwartz, Louis (Law I)	
Schick, James Peter J. (Law III)	D.C.	A.B. 1939, Brooklyn College	N.Y.
A.B. 1936, Lafayette College		†Schwartz, Max (Govt., A.M.)	
Schiff, Morris (Law II)	N.Y.	B.S.S. 1939, College of the City of New York	D.C.
A.B. 1934, New York University		†Schwartz, Silvia (Jun. 21)	Pa.
†Schindler, Adolph Francis (Jun.)	N.Y.	Schwartzbach, Eleanor (Law II)	
†Schlesinger, Louis (Univ.)	D.C.	A.B. 1932, Hunter College	N.Y.
†Schlotzky, William Joseph (Univ.)	Nebr.	Schwartzman, Sam (Jun. 36)	D.C.
Schmeltzer, John Emile, Jr. (Jun. 61)	D.C.	†Schwarzman, Murray (Jun. 20)	Ill.
†Schmidt, Fred Joseph (Univ.)	D.C.	†Schwarztrauber, Evelyn Mae (Univ.)	
A.B. 1931, Washington University		A.M. 1932, University of Illinois	Md.
Schmidt, John Ferdinand (Law III)	Mich.	Schweizer, Mark (Univ.)	
B.S. 1935, University of Michigan		A.M. 1931, University of Maryland	Md.
Schmidt, Miriam Elizabeth (Law III)	Mo.	Schwie, Eleanor Elaine (Jun.)	Ohio
†Schmidt, William Alvia (Law I)	Wis.	Schwimmer, Sigmund (Col. 96)	D.C.
B.C.E. 1914, Marquette University		Schwinn, Eleanor Morrow (Univ.)	D.C.
Schmidt, William Edward (Jun.)	Md.	Sciencent, Verdi (Jun. 18)	N.Y.
Schmiege, Frank Wilfred (Law III)	Mich.	Sclar, Rachel N. (Univ.)	N.Y.
A.B. 1936, Western State Teachers College, Kalamazoo		Scolnick, Adolph (Univ.)	N.Y.
Schmitt, Waldo Ernest (Col. 88)	Md.	Scolnick, Meyer (Law, LL.M.)	
Schmuckler, Evelyn (Jun. 21)	Pa.	B.S. 1935, College of the City of New York	
Schmuel, Dorothy Helen (Jun. 9)	Nebr.	LL.B. 1938, New York University	D.C.
†Schneider, Lorena A. (Univ.)	Kans.	Scopi, John Daniel (Univ.)	D.C.
Schoen, Pauline (Govt. 101)	Iowa	Scopi, Olive Felicia (Univ.)	D.C.
Schoesche, George Leslie (Jun. 6)	Ohio	†Scott, Catherine (Univ.)	Kans.
		Scott, Catherine Mary (Jun. 1)	Va.
		Scott, Emile Giles (Law III)	
		A.B. 1937, Hampden Sydney College	



# Students Registered

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Scott, Esther Webb (Ed., Ed.D.) A.B. 1926, The George Washington University	D.C.	Sevely, Marvin (Jun. 43) †Seymour, Don Roop (Univ.)	N.Y. Minn.
A.M. 1924, Columbia University		†Seymour, Thelma Gladys (Univ.)	Va.
Scott, Francis Delvin (Govt. Eng.)	D.C.	†Shaw, Albert Roswell (Univ.)	Md.
Scott, Frank Bishop (Law I)	Ill.	Shaffer, Thomas Newton (Law I)	D.C.
B.S. 1924, James Millikin University		B.S. 1918, University of Maryland	
†Scott, Izora M. (Law I)	Calif.	Shaffer, Victor Joseph (Univ.)	Md.
A.B. 1921, University of California		†Shallard, Juanita M. (Jun. 12)	D.C.
Scott, Jacqueline Edwina (Ed. 65)	Md.	†Shanard, John M. (Law I)	S.Dak.
Scott, James Munney (Med. III)	D.C.	A.B. 1915, University of South Dakota	
Scott, John Morgan, Jr. (Jun.)	Ala.	Shaner, Edgar Fremont (Univ.)	N.J.
Scott, Letha Marcella (Col. 119 and Law II)	Ill.	†Shanline, Lloyd Clifford (Jun.)	Kans.
Scott, Marian Emma (Ed., A.M.)	Md.	†Shannon, Charles Lewis (Jun. 31)	D.C.
A.B. 1917, The George Washington University		†Shannon, Oscar Lee (Jun.)	Tex.
Scott, Nathaniel Thompson (Law II)	N.Y.	Shapiro, Annette Deborah (Jun. 39)	D.C.
A.B. 1937, Middlebury College		Shapiro, Clara (Univ.)	D.C.
Scott, Owen W. (Univ.)	D.C.	Shapiro, David Theodore (Jun. 66)	Md.
Scott, Royal Houghton (Jun. 6)	Vt.	Shapiro, Eugene (Ed. 122)	Pa.
Scott, Susan F. (Univ.)	N.Dak.	Shapiro, Herbert (Col. 110-13)	Iowa
†Scott, Virginia Ruth (Univ.)	Pa.	Shapiro, Leonard (Univ.)	N.Y.
B.S. 1928, University of Chicago		Shapiro, Matilde Newman (Jun.)	D.C.
A.M. 1939, University of Pennsylvania		†Shapiro, Nathan (Col. A.M.)	N.Y.
Scott, Warren Westlie (Univ.)	Colo.	B.S. 1939, College of the City of New York	
†Scott, William Lloyd (Jun.)	W.Va.	Shapiro, Paul (Univ.)	D.C.
†Scriven, C. Elizabeth (Univ.)	D.C.	Shapiro, Samuel (Univ.)	Del.
Scrivener, Samuel, Jr. (Law, Uncl.)	D.C.	B.S. 1931, University of Delaware	
E.M. 1927, Lehigh University		Sharp, Joseph Arthur (Jun.)	D.C.
Scurlock, Clinton Haley (Jun. 44)	Okla.	Sharpe, Bessie Gardner (Govt. 94)	Md.
†Seabury, James Congdon (Jun.)	Md.	Sharpless, Norman Edward (Jun. 43)	D.C.
Sears, Gordon Lieber (Grad., Ph.D.)	D.C.	†Sharrer, Frances Mae (Jun. 9)	Md.
A.B. 1912, A.M. 1933, University of Utah		Shartsis, Leo (Col., A.M.)	N.Y.
Sears, Lotin Carpenter (Law I)	D.C.	B.S. 1928, College of the City of New York	
A.B. 1936, Bryn Mawr College		Shaw, John Murphy, Jr. (Jun. 6)	W.Va.
Sears, Marian Collamore (Col. 101)	D.C.	Shawell, Henry (Col. 91-94)	N.Y.
Seaton, Stuart Luman (Univ.)	D.C.	Shaver, Charlotte Elizabeth (Jun.)	Va.
†Seaver, William Lauren (Jun. 59)	D.C.	Shaw Carey, Jr. (Univ.)	Mich.
Seay, Boyd Allen (Jun. 24)	D.C.	A.B. 1923, The George Washington University	
†Seay, Martha McClay (Jun. 10)	Va.	Shaw, Daryl Winston (Ed., Ed.D.)	Md.
Sedillo, Wilfredo Ernesto (Univ.)	N.Mex.	B.S. 1931, State Teachers College, Mansfield, Pa.	
†Sedwick, Catherine Grove (Jun.)	Va.	Ed.M. 1936, Duke University	
†See, Henry Samuel (Univ.)	Minn.	Shaw, Edgar Monroe, Jr. (Eng. 69)	D.C.
†Seck, Viola Kerr (Univ.)	D.C.	†Shaw, Harry (Univ.)	D.C.
†Seeger, Walter Francis, Jr. (Jun. 37)	Nebr.	†Shaw, Robert C. (Univ.)	D.C.
Seeno, Enrico Anthony (Jun.)	Pa.	B.S. 1938, University of Michigan	
Seery, George P. (Law I)	N.Mex.	Shaw, Robert Webster (Col. 70)	D.C.
B.S. in E.E. 1936, University of New Mexico		Shaw, Thomas Martin (Col. A.M.)	Va.
Segal, Stanley Marvin (Univ.)	Pa.	B.S. 1926, The George Washington University	
†Seganish, Stanley Michael (Col. 101)	D.C.	Shea, Louise Boudreau (Jun. 15)	D.C.
†Seginak, Martha Ann (Jun.)	D.C.	Shearer, George Crawford (Med I)	Pa.
†Seginak, Suzanne Teresa (Univ.)	D.C.	B.S. 1939, Grove City College	
Selbert, Donald Reek (Jun.)	Pa.	Shearer, Margaret Ann (Univ.)	D.C.
Selbold, Greene B. (Jun. 38)	Ala.	Shenada, Florence Helen (Univ.)	Ohio
Sudel, John Jacob (Ed., A.M.)	D.C.	Sheets, Betty Caroline (Jun. 6)	D.C.
B.S. 1936, Columbia University		Sheller, Abner (Law I)	N.Y.
Seidenberg, Jacob (Univ.)	D.C.	B.Chem.E. 1937, College of the City of New York	
Seidler, Albert Emil (Eng. 18)	D.C.	Sheffield, Elbert J. (Law I)	Utah
Selinger, Philip Rubin (Univ.)	N.Y.	A.B. 1934, University of Utah	
Sell, Lucile Angeline (Ed. 96)	N.Y.	Sheffield, Louis Jolley (Law I)	Utah
†Seltzer, Morris (Jun. 71)	Nev.	B.S. 1939, University of Utah	
†Sennett, William Paul (Col., M.S.)	N.Y.	Shelburne, Selma Eunice (Jun. 34)	N.Y.
B.S. 1939, College of the City of New York		Shelkell, Jack Edward (Jun.)	D.C.
Sennett, Esther Bodanna (Jun. 18)	N.Y.	Shelton, Charles Robert (Univ.)	Md.
†Sessford, M. Claire (Jun. 30)	D.C.	†Shelton, Helen Higgins (Univ.)	D.C.
†Sesso, Antoinette Marie (Jun.)	D.C.	A.B. 1937, New Jersey College for Women	
Sessoms, Eleanor (Law II)	Ala.	Shelton, Hugh Todd, Jr. (Law II)	Tenn.
A.B. 1936, University of Alabama		A.B. 1937, University of the South	

Shenefield, Hale Thurel (Law I) A.B. 1924, A.M. 1928, University of Michigan	Ohio	Shisler, Wilfred Emmett (Univ.) Shlomowitz, Paul (Govt. 84)	Md. N.Y.
†Shenker, Sol (Univ.)	N.Y.	†Shuckley, Pearl (Univ.)	D.C.
Shepard, Dora (Col., A.M.) A.B. 1922, Florida State College for Women	Fla.	Shue, Anne Ethelda (Univ.)	D.C.
Shepard, George Quinn (Univ.) A.B. 1921, Columbia University	Fla.	†Shoemaker, Hazel Pauline (Univ.) A.B. 1916, The George Washington University	D.C. Va. Nebr.
Shepard, Ida Sahn (Univ.)	N.J.	Sholtes, Eleanor Marie (Jun. 12)	
Shepherd, Charles Perry (Col., A.M.) A.B. 1917, The George Washington University	Ind.	Shomshor, Florence Irene (Univ.) A.B. 1928, University of Nebraska	D.C. D.C.
†Shepherd, John Henry (Eng. 35)	Md.	Shonk, Mary Jeannette (Jun. 37)	D.C.
Sheppard, Helen Bailey (Col. 110)	D.C.	Shore, Francis Marion, Jr. (Col. 72)	D.C.
Sheppard, Mona (Law I)	D.C.	Short, Dorothy Evelyn (Jun. 1)	Va.
A.B. 1927, University of Alabama		Short, James John (Jun. 51)	D.C.
Shepe, Frank William (Jun. 10)	D.C.	Short, Martha Louise (Univ.)	Ky.
Sherburne, Eleanor Estelle (Col. 65)	D.C.	†Shouse, Paul Judson (Univ.) A.B. 1928, Centre College	Ill.
†Sherdtahl, Lillian Anderson (Jun.)	D.C.	Showalter, Francis Edward (Law I)	
Sherley, Joseph Major (Univ.) B.S. 1918, Wilson Teachers College	D.C.	A.B. 1918, Knox College	Tex.
Sherly, Raphael (Govt., A.M.) A.B. 1913, L.L.B. 1916, LL.M. 1918, The George Washington University	D.C.	†Shuford, Virginia (Univ.)	Nebr.
LL.M. 1917, Howard University		†Shull, Lewis Frederick (Law, LL.M.) A.B. 1916, Nebraska State Teachers College	D.C.
Sheriff, Joseph Hunter, Jr. (Col. 85)	Pa.	Shulman, Jack (Col. 106)	
Sherk, Grant Rhoads, Jr. (Jun. 27)	Va.	Shultzabarger, George Elvin, Jr. (Col., A.M.) B.S. 1910, Pennsylvania State College	Pa.
Sherman, Bertha Antnette (Law II) B.S. 1915, State Teachers College, Westchester, Pa.	Pa.	Shuman, Sydney Joseph (Law III)	D.C.
Sherman, Falk Elliott (Jun. 26)	D.C.	†Shupe, Philip D. (Eng.)	Fla.
†Sherman, James Christian (Eng., Uncl.) B.S. in C.E. 1915, Virginia Military Institute	Va.	†Shupp, Doris Lucille (Jun. 71)	D.C.
Sherman, Kenneth Lee (Col., A.M.) B.S. in C.E. 1911, The George Washington University	D.C.	†Shupp, Erwin Henry (Eng. 71)	D.C.
Sherman, Oscar Louis (Pharm., Uncl.) B.S. 1917, The George Washington University	D.C.	†Shure, Gilbert Bernard (Law I) B.S. 1914, Virginia Polytechnic Institute	Va. Utah D.C.
Sherman, Rosa Priscilla (Jun.)	Ga.	Shurtleff, Miller Francis (Univ.)	
†Sherrill, George L., Jr. (Law I)	Ala.	Shutack, John Tyree (Eng. 28)	N.Y.
Sherrill, William Bruce (Jun. 18)	Ala.	Shytle, Dwight Edward (Eng. 44)	
†Sherwin, Leonard James (Univ.) B.S. 1918, State Teachers College, Milwaukee	Wis.	Sica, David Joseph (Col., A.M.; Law I)	
Sherwood, William Kneadle (Law II) A.B. 1936, University of Chicago	Wis.	B.S. 1918, College of the City of New York	Id.
Shewmaker, Russell Newton (Law III)		Sichel, Sigmond (Law I)	
Shays, George Paul (Law I)	D.C.	LL.B. 1914, University of Berlin	Pa.
†Shelaker, Paul Bern (Jun. 18)	Utah	†Siciliano, Richard Hugh (Jun. 29)	D.C.
†Sheldy, Alexander McMillan (Univ.)	Va.	†Sidman, Ruth Esther (Univ.)	N.J.
Shelat, Claude Jackson (Jun.)	D.C.	Siegel, Leo Harold (Med. I)	N.Y.
Shelton, Vance (Ed., A.M.) A.B. 1918, The George Washington University	Mo.	Siegel, Louis (Col., A.M.) B.S. 1910, College of the City of New York	
†Shimer, Kathryn Harn (Govt., A.M.)	Tex.	Siegfried, Abraham M. (Col., A.M.) A.B. 1936, Brooklyn College	N.Y.
†Shoup, James Harrison (Col., A.M.) B.S. 1919, The George Washington University	D.C.	Siggers, Edward Gregory (Eng. 111)	D.C.
Shiner, Andrew James (Jun.)	Md.	Sigurney, Jeanne Marie (Univ.)	D.C.
Shinker, Marceline Guyneth (Ed. 11235)	Mich.	Silbert, Victor (Jun. 7)	N.J.
Shipman, George Raymond (Univ.) A.B. 1932, Simpson College A.M. 1938, State University of Iowa	Iowa	Silk, Harry (Col., A.M.) B.S. in E.E. 1911, Newark College of Engineering	N.J.
Shira, William Alvina, Jr. (Law I) B.S. 1917, Westminster College	Pa.	†Silkowitz, Sidney (Ed., A.M.) B.S. 1919, The George Washington University	N.Y.
Shirey, Ronald Leedom (Pharm. 04)	D.C.	Sillano, Lillian (Col., A.M.) A.B. 1916, Hunter College	Pa.
Shirk, Frank Hopewell (Col. 92)	Pa.	†Sillman, Emmanuel B. (Col., A.M.) B.S. 1937, Bucknell University	N.Y.
		Silman, Irma Iris (Jun. 62)	D.C.
		†Silver, Cecelia (Law I) A.B. 1914, A.M. 1918, The George Washington University	Pa.
		Silver, Pearl Gail (Jun.)	D.C.
		†Silverberg, Edythe Lee (Jun.)	D.C.
		Silverman, Aaron (Jun.)	
		Silverman, Abraham David (Univ.)	



# Students Registered

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Silverman, Meyer David (Col., A.M.) B.Chem.E. 1934, Yale University	Conn.	Skousen, Willard Cleon (Law III)	Calif.
Silverman, Sol Robert (Univ.)	D.C.	Skubitz, Joseph (Law I)	Kans.
Silverman, Stanley Irwin (Jun.)	D.C.	B.S. 1929, M.S. 1934, Kansas State Teachers College	
Silverstein, Bernard Michael (Jun.)	N.Y.	†Slacer, Florence L. (Univ.)	D.C.
Silverstein, Murray (Govt. 84, Col.)	N.Y.	Slappey, Mary McGowan (Jun. 30)	D.C.
Silverstone, Felix Abraham (Med. II)	D.C.	State, Thomas Charles (Jun. 62, Col.)	D.C.
Silverstrand, Clarence Foreman (Univ.) B.S. 1941, A.M. 1948, University of Nebraska	Nebr.	Slattery, John B. (Univ.)	La.
Sime, Robert McCormick (Eng. 90)	D.C.	Slattery, John Thomas (Law I)	N.Y.
Simkowitz, Sidney (Pharm., Uncl.)	D.C.	B.S. 1936, St. John's University	
B.S. 1947, The George Washington University		Slattery, Richard Gates (Univ.)	D.C.
Simmons, Berkeley L., Jr. (Law I)	D.C.	†Slavitt, John (Univ.)	D.C.
B.S. 1949, University of North Carolina		Slavik, Walter Mark (Col. 104)	N.Y.
†Simmons, I. A., Jr. (Eng. 31)	Tex.	Slayton, Earl William, Jr. (Col., A.M.)	W.Va.
†Simms, William Gilmore (Univ.)	D.C.	B.S. 1929, Davis and Elkins College	
Simon, Abraham II (Jun. 42)	N.Y.	Slieson, Gerard Bernard (Jun. 36)	Va.
B.S. 1947, The George Washington University	Va.	Slubitz, Merrie Abigail (Jun.)	D.C.
†Simon, Carl (Univ.)	D.C.	†Slus, Anne Dorcas (Univ.)	D.C.
Simon, Everett (Univ.)	D.C.	†Slus, Kenneth I. (Law II)	Ill.
Simon, Harold (Univ.)	N.Y.	Ph.B. 1944, University of Chicago	
Simons, Lucie Ellen (Jun.)	D.C.	Slusman, Allan Daniel (Eng.)	N.J.
†Simonsen, Ethel Bunce (Univ.)	D.C.	Slusman, William John (Jun.)	D.C.
Simonson, Elizabeth Tuck (Col., A.M.)	Va.	Small, Leonard (Jun. 55)	N.Y.
A.B. 1915, Barnard College	N.Y.	Smalling, Evelyn Beatrice (Jun. 27)	D.C.
Simpson, Ellsworth Tenley (Law II)	Va.	†Smallman, Elizabeth Grace (Univ.)	Mass.
†Simpson, Fannie Louise (Univ.)	Md.	Smallwood, Hazel Marie (Col. 196)	D.C.
Simpson, Thomas Darby (Jun. 19)	Va.	Smeltzer, Karl Christian (Jun. 18)	Mich.
Simpson, William Francis (Grad., Ph.D.)	D.C.	Smets, August Joseph (Jun. 14)	Conn.
B.S. 1920, Catholic University of America		Smier, Frances Harriett (Jun.)	D.C.
A.M. 1942, The George Washington University		Smith, Andrew Leonard (Med. III)	Pa.
†Sims, Grace Wolfe (Jun. 10)	D.C.	Smith, Anne Catherine (Jun.)	D.C.
†Simonsen, Frances Patson (Univ.)	Md.	Smith, Anne Louise (Jun. 24)	Md.
†Singer, Paul Gordon (Univ.)	Okla.	Smith, Ardis Adala (Univ.)	Iowa
Singer, Beatrice (Univ.)	N.Y.	A.B. 1924, LL.B. 1927, LL.M. 1929, The George Washington University	
Singer, Claire Angela (Col. 66)	D.C.	Smith, Arthur Jay (Univ.)	Ill.
†Singer, George (Col., A.M.)	Iowa	Smith, Bert Page (Jun. 26)	Ark.
†Singer, Herman (Govt. 59)	N.Y.	Smith, Bertie Eleanor (Univ.)	N.Y.
†Siseman, David (Eng.)	N.Y.	†Smith, Bess Elizabeth (Jun. 19)	Ill.
Saschbach, Ruth Ann (Jun. 12)	Va.	Smith, Burton Glancy (Med. I)	D.C.
Sipes, James Simcoe (Col. 67)	Va.	†Smith, Caldwell (Jun.)	D.C.
Sipes, John William (Col. 67)	Va.	Smith, Calhoun (Univ.)	D.C.
Sirota, Emily Sophia (Jun. 53)	D.C.	Smith, Carroll Newton (Grad., Ph.D.)	Mass.
†Sirota, Mary Jane (Univ.)	D.C.	A.B. 1914, A.M. 1934, The George Washington University	
†Sirota, Ethel (Jun. 12)	D.C.	Smith, Catherine Wood Richard (Med. III)	Va.
†Sirota, Ruth (Univ.)	D.C.	A.B. 1938, The George Washington University	
Sisk, Andrew Marion (Jun. 1)	Ga.	Smith, Charles Anthony (Jun. 27)	Mass.
Sislen, Dorothy Sylvia (Med. I)	D.C.	Smith, Charles Earl (Jun. 7, Eng.)	D.C.
Sitgreaves, Rosabeth (Col., A.M.)	Pa.	Smith, Charles Edward (Med. III)	D.C.
A.B. 1945, Wilson College		A.B. 1929, The George Washington University	
†Sitter, Jeanette (Univ.)	D.C.	Smith, Charles Gilbert (Law I)	D.C.
A.B. 1924, University of Michigan		B.S. 1925, Brown University	
A.M. 1932, Columbia University		†Smith, Don (Univ.)	Tex.
B.S. in M.E. 1920, Alabama Polytechnic Institute	Ala.	Smith, Donald William (Jun. 32)	Pa.
Skaggs, Bruce (Govt. 71)	D.C.	†Smith, Eleanor Hark (Ed. A.M.)	D.C.
Skellington, Margaret Frances (Jun. 15)	Ill.	B.S. 1929, Wilson Teachers College	
Skinker, Beatrice Virginia (Jun. 61)	D.C.	†Smith, Edmund Woodstock (Eng.)	N.Y.
Skinker, Dudley Graham (Law III)	D.C.	†Smith, Edward Anthony (Univ.)	D.C.
†Skinner, Inez Marguerite (Jun. 51)	Va.	Smith, Elizabeth Frances (Col., A.M.)	Ill.
Skolnik, Helen Elizabeth (Jun. 30)	Conn.	A.B. 1934, Monkslein College	
Skousen, Rita (Univ.)	Calif.	†Smith, Elizabeth Rhin (Univ.)	D.C.
		Smith, Elizabeth Page (Jun.)	D.C.
		†Smith, Ella Mae (Jun.)	D.C.
		Smith, Esther Janet (Univ.)	La.
		Smith, Evan Prothro (Univ.)	D.C.
		Smith, Everard Hall (Jun. 27)	D.C.



Smith, Francis Milton (Law II)	S. Dak.	Smoot, Albert Parkinson (Law II)	Utah
A.B. 1936, Augustana College		B.S. 1937, University of Utah	
Smith, Frederick Theodore (Col. 75)	N.J.	Smothers, Eulene Mary (Jun.)	Va.
Smith, George Eugene (Col. 73)	Kans.	†Smuzynski, Alvin Walter (Univ.)	Mich.
Smith, George Horsley (Jun. 52)	D.C.	Smylie, Robert Eben (Law I)	Idaho
†Smith, George Richard (Jun.)	Pa.	A.B. 1938, College of Idaho	
†Smith, Gordon Murdoch (Col. 85)	Va.	†Smyth, William Beverly (Eng. 86)	Ohio
Smith, Grace Horsley (Jun. 9)	D.C.	†Snare, Ellen Elizabeth (Univ.)	D.C.
Smith, H. Hewlett (Law I and Govt., A.M.)	Ga.	Snarely, Margaret Elizabeth (Univ.)	D.C.
A.B. 1939, The George Washington University		†Sneddon, Robert Lee (Jun.)	Utah
Smith, Harold Arnold (Univ.)	D.C.	Snedeker, James (Law III)	Va.
†Smith, Harold Blake (Jun.)	Maine	B.S. 1935, United States Naval Academy	
†Smith, Harold Chester (Univ.)	Mont.	†Snelbaker, Joe W. (Univ.)	Colo.
†Smith, Harold Jerome (Univ.)	N.C.	Snell, Barbara Eleanor (Jun.)	D.C.
†Smith, Harry Wallace (Jun. 22)	Pa.	Snider, Kenneth Bruce (Jun.)	Iowa
†Smith, Helen Hall (Univ.)	D.C.	†Snider, Leonard Alfred (Eng. 6)	Va.
†Smith, James Arthur (Law I)	Mass.	Snoddy, Joseph Spruce (Col. 93)	Okla.
B.S. 1939, Massachusetts Institute of Technology		Snow, Charles Edwin (Univ.)	N.Y.
†Smith, James Douglas (Govt., A.M.)	Ariz.	Snow, Lee B. (Med. IV)	D.C.
A.B. 1937, University of Arizona		†Snow, Margaret Throckmorton (Univ.)	Mass.
†Smith, Jesse Jury (Univ.)	Md.	†Snow, Richard Higgins (Col., A.M.)	
Smith, Joanne Carolyn (Jun. 54)	D.C.	A.B. 1936, The George Washington University	
†Smith, John Slater (Univ.)	Fla.	Snow, Robert Maughan (Col. 92)	Md.
Smith, Joseph Clarence (Govt. 76; Col.)	Mont.	†Snyder, Bonnie Carl (Univ.)	D.C.
†Smith, Kathryn Lee (Jun. 9)	D.C.	Snyder, Dean Atlee (Law, Uncl.)	Ohio
Smith, Marian (Ed. 92)	D.C.	A.B. 1925, Baldwin-Wallace College	
†Smith, Marie Jane (Jun. 48)	Kans.	Snyder, Donald Clyde (Law II)	Idaho
Smith, Marilla Horton (Law I)	N.Y.	B.S. 1931, M.S. 1935, University of Idaho	
A.B. 1930, New York State College for Teachers		†Snyder, Elsie H. (Univ.)	Va.
Smith, Mary Downing (Univ.)	Va.	Snyder, Jeannette L. (Jun.)	Nebr.
A.B. 1920, College of Mount St. Vincent		Snyder, John Daniel (Jun.)	Pa.
†Smith, Mary Grace (Jun.)	Wis.	Snyder, Mark Curtis (Jun.)	Pa.
Smith, Mary Haley (Col. 93)	D.C.	†Snyder, Paul Blackland (Univ.)	Va.
Smith, Mary Margaret (Univ.)	Md.	Snyder, William Hall (Jun. 42)	W.Va.
†Smith, Mary McNeely (Univ.)	D.C.	Sober, Harry (Col., A.M.)	N.Y.
†Smith, Matthew Stanley (Eng.)	D.C.	B.S. 1939, College of the City of New York	
Smith, Merle J. (Jun. 18)	Pa.	Sohn, Bernard (Jun.)	Ill.
Smith, Oran Floyd (Univ.)	Tex.	Sokol, Leonard (Jun.)	D.C.
†Smith, Owen E. (Univ.)	Iowa	Sokolove, Henri (Law II)	Pa.
B.S. 1924, Iowa State College		B.S. 1932, University of Pennsylvania	
Smith, Oscar H. (Jun. 30)	Ala.	Solimine, John Louis (Jun. 82)	N.J.
Smith, Preston Clark (Law I)	W.Va.	Solomon, Irving Jack (Jun. 46)	N.Y.
B.S. in C.E. 1935, West Virginia University		†Solomon, Philip (Univ.)	N.I.
†Smith, Richard Goodman (Jun. 15)	Va.	†Solow, Max (Eng. 23)	Pa.
†Smith, Richard Joseph (Univ.)	D.C.	Solt, Samuel James (Eng. 81)	D.C.
†Smith, Robert Clyde (Univ.)	Ala.	Somers, Elizabeth Rose (Jun. 41)	Maine
Smith, Robert Shaw (Med. I)	Idaho	Somers, Ruth Valentine (Ed., A.M.)	
B.S. 1930, University of Utah		A.B. 1930, Brown University	
Smith, Roger Corbin (Jun.)	D.C.	Somers, Sergy D. laCorse (Univ.)	Mont.
†Smith, Russell Roland (Col. 108)	La.	Somerville, Lawrence William (Law II)	Utah
Smith, Sherman Austin (Law III and Univ.)	Utah	Sompavrac, Powell Lawrence (Law III)	Okla.
A.B. 1916, University of Utah		Sompavrac, Walter Alexander (Law III)	Okla.
Smith, Talbert Almyrus (Univ.)	D.C.	Sonenshine, Eva Loretta (Jun. 41)	D.C.
A.B. 1915, University of Maryland		Sonn, Jean Helen (Jun. 68)	N.Y.
†Smith, Thomas Benjamin (Univ.)	Ga.	Sookne, Arnold Maurice (Col., A.M.)	
Smith, Uree M. Donald (Ed. 66)	Va.	B.S. 1935, Brooklyn College	
Smith, Violet Margaret (Jun. 24)	D.C.	Sorensen, Lawrence Bernhard (Jun. 57)	Wash.
Smith, Virginia Slavton (Jun.)	Md.	Sorensen, Marian Ruth (Jun. 12)	Iowa
†Smith, Walter Monroe (Univ.)	D.C.	Sorell, Ida Davis (Jun. 68)	Va.
†Smith, Wilda (Jun. 30)	D.C.	Sortal, Harry (Jun.)	S. Dak.
†Smith, William D. (Univ.)	Va.	Southard, John Gordon (Jun. 46½)	Mont.
†Smith, William Herman (Law I)	Va.	Southmayd, John Finley (Law III)	D.C.
A.B. 1922, Randolph-Macon College		Southwell, Paul Meldrin (Govt. 111)	N.Y.
†Smithline, Pincus (Jun. 6)	N.Y.	Souweine, Edward Leo (Jun. 56)	D.C.
		Sparkman, Neita Deane (Univ.)	Va.

# Students Registered

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†Sparks, Eva Carlson (Ed., A.M.) A.B. 1935, The George Washington University	Md.	†Stamper, Thelma Ella (Univ.) A.B. 1939, University of Oklahoma	Okla.
†Sparks, Neal W. (Univ.) B.Arch. 1937, Carnegie Institute of Technology	Wyo.	Stan, June Booth (Jun. 15)	Va.
†Spaulding, Augusta de Laguna (Law, LL.M.) A.B. 1913, A.M. 1913, University of California	D.C.	†Stanfield, James Rutherford (Jun. 44)	Wis.
LL.B. 1931, The George Washington University		Stanford, William Henry (Univ.)	D.C.
Spaulding, Jeanne Beverly (Ed. 65)	Va.	†Stange, Madeline Rae (Ed. 77)	Ill.
Spear, Mary Eleanor (Jun. 29)	Md.	Stanley, Robert Godlewski (Med. I)	Pa.
Speck, Doris de Ford (Col. 87)	Mass.	A.B. 1939, University of Pennsylvania	Va.
Speck, George (Med. III)	Mass.	Staples, Helen DuBois (Ed., A.M.) A.B. 1900, Bryn Mawr College	Md.
†Spector, Minerva Anna (Jun. 52)	D.C.	Staples, Samuel James, Jr. (Eng. 116)	D.C.
Spector, Seymour (Col. 81)	N.Y.	†Stark, Harry Newman (Col. 81)	D.C.
Speer, James Paul II (Col. 90)	Okla.	Stark, John Edwin, Jr. (Jun.)	D.C.
Speer, John Bristol (Jun. 24)	Okla.	Stark, Sam Walker (Med. I)	Nev.
Spence, William Roy (Pharm. 64)	D.C.	†Starling, Robert Leonard (Univ.)	D.C.
Spencer, Edward Guerrant (Eng. 18)	Va.	†Starns, Charles Edwin (Univ.)	Ky.
Spencer, Helen Mather (Ed. 89)	D.C.	Starns, Henry Carroll (Jun. 45)	Ky.
Spencer, John Wesley (Eng. 53)	D.C.	Staron, Vina T. (Jun. 6)	N.Y.
Spencer, Marie Thais (Jun. 24)	Md.	Starzec, Josephine M. (Univ.)	D.C.
†Sperry, Edith (Univ.)	D.C.	Staszny, Robert William (Jun. 55)	D.C.
Sperry, Gretchen Elizabeth (Jun. 29)	Va.	Staubly, Julian Lawrence (Jun. 45)	W.Va.
Spessard, Howard Lehman (Ed., Ed.D.) B.S. 1926, Gettysburg College	N.C.	†Staudte, Curtis E. (Col., A.M.) B.S. 1918, College of the City of New York	N.Y.
A.M. 1934, University of Michigan		Stearns, Lydia Marie (Ed. 103)	D.C.
Spiegel, David (Col., A.M.) A.B. 1938, The George Washington University	N.Y.	†Stebbing, John Noel (Univ.)	Miss.
†Spiess, Joann (Univ.)	D.C.	†Stedman, Richard Martin (Govt., A.M.) B.S. 1924, University of Virginia	Va.
†Spiker, Curtis Walton (Jun.)	D.C.	Steele, Dale I. (Col. 91)	Kans.
†Spiker, Earl Gearing (Jun.)	D.C.	Steele, Julia Denham (Jun.)	Va.
Spiller, Kathleen Sexton (Univ.) A.B. 1934, Sweet Briar College	D.C.	Steele, Sally Lois (Med. I)	D.C.
B.S. in L.S. 1937, Columbia Uni- versity		Stefan, Ernest (Jun. 64)	Nebr.
Spitsbury, Calvin C. (Govt. 84)	Utah	†Steffensen, George M. (Col. 84½)	Wash.
Splawn, John Homer, Jr. (Law I)	Tex.	Stepman, Best Madison (Col. 96)	Colo.
B.B.A. 1936, Texas College of Arts and Industries		†Stepner, Laura E. (Univ.)	D.C.
Spokas, Otto Edmond (Eng.)	D.C.	Stebman, Floyd Shultz (Govt. 103)	Va.
Sprehn, George Warren (Jun. 32)	D.C.	Stebman, Vernon Andrew (Med. IV)	Va.
†Springa, John Anthony (Eng. 26)	Ohio	†Steen, Hilda E. (Jun.)	D.C.
Springer, Charles Bernard, Jr. (Jun. 18)	Va.	Stern, Norman (Col., A.M.) B.S. 1939, The George Washington University	S.Dak.
A.B. 1935, Tennessee College	Tenn.	Steinbach, Clarence Paul (Law I)	D.C.
†Squire, Charles Booth, Jr. (Univ.)	D.C.	A.B. 1930, University of Nebraska	D.C.
A.B. 1932, A.M. 1927, The George Washington University	Md.	Steinbach, Heinz Wolfgang (Jun. 67)	D.C.
Squitero, Roger Joseph (Govt. 80)	N.Y.	†Steinberg, Jack Norman (Jun. 38)	Nebr.
†Stabley, Frederick William (Col., A.M.) A.B. 1937, Pennsylvania State Col- lege	D.C.	Steinberg, T. Lee (Col. 68)	N.Y.
†Stabler, Hugh Vedder (Univ.)	D.C.	Steinman, Geraldine (Jun. 12)	D.C.
Stacy, Delmar Ardene (Jun. 36)	Iowa	Stell, William Marlin (Jun.)	D.C.
†Stadtler, Al (Univ.)	D.C.	†Stendel, Kathleen Schaeffer (Univ.)	Pa.
Stafford, Raymond Lloyd (Col. 68)	D.C.	†Stengel, Louise Eugenia (Univ.) A.B. 1917, Bryn Mawr College	Iowa
Stafford, Josephine Emily (Jun.)	D.C.	†Stennett, Richard Reuben (Jun.)	D.C.
Stafford, Mary Ellenor (Univ.)	N.Y.	Stepanovich, Joseph Leonard (Eng. 7)	N.Y.
Stainbrook, Jon Wenner (Jun. 100½)	Wash.	†Stephan, Almed (Univ.) B.S. 1942, University of South Dakota	Ill.
Stakeman, George Howard (Jun. 50)	Ind.	Stephens, Ben, Jr. (Law III)	Tex.
†Staley, Walter Lawrence (Jun. 34)	Iowa	Stephens, Chester Taber (Univ.)	Fla.
Stallworth, Max Clifton (Univ.)	Colo.	Stephens, John (Govt. 80; Col.)	Fla.
Stalzer, Benjamin (Univ.) A.B. 1938, College of the City of New York	N.Y.	Stephens, John Amos (Med. II) A.B. 1936, University of Tennessee	D.C.
Stam, Tobias Leon (Law II) B.S. 1939, The George Washington University	N.Y.	Stephens, Louis Clark (Law II) A.B. 1933, Roanoke College	Tex.
		Stephens, Virginia (Jun. 64)	D.C.
		Stephenson, Marion Louise (Jun.)	Calif.
		†Sterling, Sylvia (Univ.)	N.Y.
		Sterman, Milton (Law I) B.S. 1935, B.Chem.E. 1936, College of the City of New York	D.C.
		†Stern, Helmut Felix (Univ.)	N.Y.
		†Stern, Herbert (Jun. 39)	N.Y.
		†Stern, Julius L. (Univ.)	N.Y.
		Stetson, Virginia (Col. 84)	Va.



Stewart, Allen Wesley (Law, LL.M.) A.B. 1911, LL.B. 1918, The George Washington University	Va.	§Strader, Hutton B. (Univ.) B.S. 1930, Davis and Elkins College	W.Va.
Stewart, Louise Martha (Jun.)	Va.	§Strain, George Lee (Law II)	Colo.
Stevens, Elizabeth Russell (Ed., A.M.) B.S. 1930, Wilson Teachers College	Md.	B.S. 1918, University of Colorado	N.Y.
Stevens, Mary Frances (Col. 118)	Ala.	Strand, Ivar Ernest (Univ.)	N.Y.
Stevenson, Betty Jane (Jun. 48)	D.C.	§Strasberg, Murray (Univ.) B.S. 1938, College of the City of New York	D.C.
§Stevenson, Helen Pitter (Jun.)	D.C.	§Stratton, Constance (Law I)	D.C.
§Stewart, Catherine Bayard (Univ.)	Ga.	A.B. 1940, The George Washington University	N.Y.
†Stewart, Frederic Walter (Univ.) A.B. 1911, A.M. 1914, The George Washington University	D.C.	Stratton, Lawrence (Univ.)	Md.
Stewart, Kermit (Ed., A.M.) B.S. 1940, The George Washington University	Tex.	†Strausbaugh, Donn Pere (Univ.)	D.C.
Stewart, Lorna May (Jun. 28½)	Iowa	†Street, Margaret Hope (Ed., A.M.) A.B. 1928, The George Washington University	Iowa
Stewart, Louise Mildred (Univ.)	Kans.	§Stribling, Betty Marie (Jun. 32)	D.C.
Stewart, Patricia Wynn (Jun.)	D.C.	Strickler, Frank Hunter (Jun. 45)	N.Y.
§Stewartson, Arthur Lloyd (Jun. 14)	N.Y.	Strickman, Max (Eng. 11)	D.C.
*Stickle, Elizabeth Waller (Ed., A.M.) A.B. 1928, The George Washington University	D.C.	Striffler, John William (Jun. 65)	Mo.
Sier, Alma DeVere (Ed. 50½)	Md.	Stringer, William Rogers (Univ.)	D.C.
Stiles, Robert Sidney (Col. 66)	Ala.	†Strobel, Ruth A. (Ed., A.M.) A.B. 1911, The George Washington University	D.C.
§Stoll, Lloyd LaBruce (Jun. 1)	D.C.	§Stroh, Minnie Vaughn (Jun. 21)	Nebr.
Stollwell, Hamilton Purdy (Univ.)	D.C.	†Stromberg, Marvin Oscar (Jun. 61)	Pa.
Stollwell, Ray (Law I) A.B. 1929, University of California at Los Angeles	Tex.	†Stromberg, Raymond (Col. A.M.) B.S.C. 1914, Temple University	D.C.
Stollwell, Dorothy (Jun. 65)	Fla.	§Strong, James R. (Univ.)	D.C.
Stoncle, Howard Ellsworth (Jun. 72)	Ind.	†Strong, John Edgar (Jun. 22)	D.C.
†Stonsen, Everett Archie (Jun. 58)	Oreg.	Stroup, Windsor William (Jun.)	D.C.
Stoak, Philip (Ed. 116)	Mass.	Strouse, Dorothy Boyer (Univ.)	D.C.
Stockdale, Nada Mabel (Univ.)	Iowa	§Strub, Norbert George (Jun. 14)	D.C.
Stockton, Milton A. (Jun. 8)	La.	Stuart, Roger Moore (Law II) B.S. 1938, University of Virginia	Tex.
§Stockton, Worth Bagley (Univ.)	D.C.	Stucke, Adela Leona (Col. 90)	Mo.
Stokes, K. Celeste (Univ.)	D.C.	Studd, Dorothy Marie (Jun.)	Va.
*Stolar, Morris David (Govt. 118)	D.C.	Stantz, Stephen Conrad, Jr. (Jun. 6)	Md.
Stolarski, C. Robert (Jun.)	Pa.	Stutler, Delmas Clay, Jr. (Univ.)	D.C.
Stoller, Raymond (Jun.)	D.C.	Stutz, Frank August (Ed., Ed.D.) B.S. 1911, Lehigh University	
Stolzenbach, Charles Darwin (Univ.; Col. 91½)	Pa.	A.M. 1940, The George Washington University	Va.
Stone, Clyde (Col. 90)	Tenn.	Stutzman, Elfrieda Helen (Ed. 96)	D.C.
Stone, Daniel Joseph (Med. I) A.B. 1910, Johns Hopkins University	N.Y.	Suber, James Whitley (Ed., Ed.D.) B.S. 1928, Mississippi State College	
Stone, Doris Eliot (Col. 87)	Conn.	A.M. 1930, The George Washington University	Ga.
Stone, Luther Edward (Jun. 12)	Md.	Suber, William Ellis (Jun.)	D.C.
Stone, Mary Elizabeth (Col., A.M.) A.B. 1936, Wilson College	Pa.	§Subhamatra, Khun Pravat (Univ.)	N.Y.
Stone, Russell Edgar (Col. 94½)	Utah	Sucher, Nettie (Jun. 60, Col.)	D.C.
†Stone, Ruth Phyllis (Jun. 10)	D.C.	†Sugar, Aaron (Univ.) LL.B. 1934, Georgetown University	D.C.
Stone, Thomas Edward (Jun.)	D.C.	Sugar, Oscar (Med. II) A.B. 1914, Johns Hopkins University	
§Stonesifer, Joseph N. (Col., A.M.) B.S. 1916, University of Illinois	Va.	A.M. 1917, The George Washington University	
Stopsack, Eleanor Ida (Govt. 64)	D.C.	Ph.D. 1944, University of Chicago	D.C.
Storer, William Elroy (Med. IV)	Ohio	§Solt, Robert Wade (Eng.)	D.C.
Storey, Benjamin Love (Univ.)	D.C.	Sullivan, Anne Manneville (Col., A.M.)	
Storey, Thomas Martin (Jun. 40)	D.C.	A.B. 1915, The George Washington University	D.C.
Stuart, Elwyn Glenn (Jun. 28)	Tenn.	†Sullivan, Clara Parker (Ed., Ed.D.) Lit. B. 1911, Brenau College	
Stuttmeyer, George Benton (Col. 82)	Ill.	A.M. 1927, The George Washington University	Ill.
Studenmire, Sterling F., Jr. (Law II) A.B. 1937, Furman University	S.C.	Sullivan, Daniel Carl (Col., A.M.) A.B. 1931, Oberlin College	D.C.
†Stoutenburgh, Florence H. (Univ.)	Va.	Sullivan, Edwin Kemper (Eng. 109)	D.C.
†Stoutenberger, Le Stanton (Jun.)	D.C.	Sullivan, Eileen Agnes (Univ.)	Mass.
Stuvall, Emory Jefferson, Jr. (Col., A.M.) B.S. 1911, Howard College	D.C.	Sullivan, Eunice Eileen (Jun. 31)	D.C.
†Stowell, Harry Eldridge (Univ.)	D.C.		
†Stowell, Milton Alva (Eng. 16)	Ala.		
†Stover, Earl E. (Jun. 57)	Ark.		
Stover, Ralph Lee (Jun.)	D.C.		



# Students Registered

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†Sullivan, Fred Gunther (Jun.)	Md.	†Swett, Walter W. (Univ.)	Md.
Sullivan, James Michael (Jun.)	Ga.	B.S. 1915, University of New Hampshire	
†Sullivan, Janet Patterson (Univ.)	Md.	A.M. 1916, University of Missouri	
Sullivan, John Patrick (Govt. 75)	Pa.	†Swidler, Sydney (Jun. 31)	N.J.
†Sullivan, Joseph J. (Univ.)	Pa.	Swidler, Edwin James (Jun. 50)	D.C.
Sullivan, Ralph William (Ed., A.M.)	D.C.	Swidler, Henry Oscar (Jun. 55; Univ.)	D.C.
Ed B. 1928, Western Illinois State Teachers College		†Swiss, Sally (Univ.)	N.Y.
Sulzberger, Sydney Bertram (Univ.)	N.Y.	†Swishelm, Dorothy (Univ.)	D.C.
Summers, Augustus Larr (Jun.)	S.C.	A.B. 1927, Western University	
Summers, George Nixon (Jun. 63)	Va.	Switgall, Dorothy Frances (Jun.)	Tenn.
†Sumnerman, Eloise Viola (Col. 61)	Va.	Switney, William (Eng. 86)	Pa.
Sunderman, Helen Lorraine (Col. 81)	Minn.	†Switzer, Harry Raper (Jun.)	D.C.
Supnot, Ann M. (Govt. 91)	Pa.	Swords, Robert Joseph (Law I)	Wis.
Surba, Chester Frank (Jun. 42)	N.Y.	A.B. 1931, State Teachers College, Milwaukee	
Sures, Allan Herbert (Govt. 122)	D.C.	†Sydnor, Henry Moseley (Univ.)	W.Va.
Surine, Donald Arthur (Law III)	D.C.	A.B. 1923, Hampden-Sydney College	
A.B. 1937, The George Washington University		A.M. 1931, University of Virginia	
Sushka, Peter (Univ.)	N.Y.	Sykes, Albert LeRoy (Univ.)	S.C.
B.S. in C.E. 1934, College of the City of New York		Sylvester, Donald H. (Law I)	Ky.
Susser, Arthur (Eng. 4)	D.C.	B.S. 1932, Murray State Teachers College	
Susholz, Benjamin (Col. 114)	N.Y.	†Sylvester, Robert Warren (Law I)	Mass.
†Susman, Joshua (Jun.)	D.C.	B.S. 1929, Tufts College	
†Sutherland, Mary Jane (Col., A.M.)	D.C.	†Symonds, Robert Harold (Univ.)	D.C.
A.B. 1938, The George Washington University		Sze, Kenneth Chuache (Med. I)	China
†Sutherland, Owen LeRoy (Jun. 60)	D.C.	T	
Sutherland, Myrtle Davidson (Ed., A.M.)	D.C.	Tabb, Mildred Lorraine (Col., A.M.)	D.C.
A.B. 1932, The George Washington University		A.B. 1938, American University	
†Suto, William Arnold (Jun.)	Pa.	Tabenkin, Benjamin (Col., A.M.)	Va.
Sutton, Faith Meendenhall (Jun.)	Md.	B.S. 1936, University of Illinois	
Svedlow, Bernard Dave (Med III)	N.Y.	Tacmelin, Frank Anthony (Med. II)	Conn.
B.S. 1935, New York University		†Taddemo, Nicholas Thomas (Jun. 18)	N.Y.
†Swab, William Kenneth (Jun.)	D.C.	Taetle, Herman Irving (Jun. 65; Pharm.)	D.C.
Swain, Robert Adams (Law II)	Tex.		Calif.
A.B. 1934, Texas College of Mines and Metallurgy		Taft, Perry Hazard (Law III)	
A.M. 1936, The George Washington University		A.B. 1936, University of California at Los Angeles	
†Swan, Charles Frederick (Law I)	Kans.	†Taggart, Earl Broderick (Jun.)	D.C.
Swan, Elmer Jackson (Law II)	Tenn.	Taggart, Edward Jackson (Jun. 21)	D.C.
B.S. 1934, State Teachers College, Johnson City, Tenn.		†Tait, Hugo Francis (Jun.)	D.C.
†Swan, Rosabel Leighton (Jun.)	Mass.	Talbert, Margaret Ann (Ed., A.M.)	D.C.
Swanson, Irving W. (Law II)	Minn.	B.S. 1937, Wilson Teachers College	
Swanson, John Henry (Univ.)	D.C.	Talbot, Cyril Arthur (Univ.)	Wis.
†Swanson, Leonard Edgar (Jun. 6)	Ind.	Talbott, George W. (Law II)	D.C.
†Swanson, Henry Allen (Univ.)	D.C.	B.S. in Eng. 1939, The George Washington University	
A.B. 1937, American University		†Talcott, Hattie M. (Univ.)	Idaho
Swanton, Mary Alice (Univ.)	D.C.	A.B. 1934, University of Oregon	
Swartz, Jerome Joseph (Univ.)	D.C.	†Talcott, John Wallace (Eng., Uncl.)	Md.
B.S. in C.E. 1935, University of Michigan		B.S. in E.E. 1934, University of Maryland	
†Swartzell, Margaret Ann (Jun.)	D.C.	Tannenbaum, Frank S. (Eng. 47)	Ill.
†Swayze, Henry Allen (Govt. 90)	Miss.	†Tannenbaum, Hyman (Govt., A.M.)	N.Y.
†Sweeney, Caroline (Univ.)	D.C.	B.S. 1934, New York University	
†Sweeney, Helene Mae (Univ.)	D.C.	Tanner, James Douglas (Govt. 96)	D.C.
†Sweeney, Leona Isabel (Jun. 6)	D.C.	Tanhill, William Raymond (Col., A.M.)	Tex.
Sweeney, Michael Joseph (Univ.)	D.C.	A.B. 1938, The George Washington University	
B.S. 1939, Catholic University of America		†Taplin, Abraham (Univ.)	N.Y.
Sweezy, Eldon Eugene (Law I)	Okla.	B.S. 1935, M.C.E. 1937, College of the City of New York	
B.S. 1937, Oklahoma Agricultural and Mechanical College		†Taplin, Beatrice (Univ.)	N.Y.
†Swenson, Carl Otto (Univ.)	N.J.	Taplet, William Richard (Jun. 75)	Fla.
Swett, Timothy (Jun. 20)	Okla.	Tatlett, Ralph Lawrence (Univ.)	Md.
		Tatlowersky, William (Col. 60)	N.Y.
		Targue, Edith (Jun. 54; Col.)	N.Y.
		†Tawater, Charles Francis (Eng. 18)	Mo.
		Tassi, Gordon Jordan (Col. 51)	Minn.
		Tate, Albert Stephen (Col. 62)	La.

Tate, Lucy Frances (Col. 103)	Va.	†Thomas, Edward Clifton, Jr. (Jun. 36)	D.C.
†Tate, Martha Elizabeth (Univ.)	D.C.	Thomas, Ena Elva (Univ.; Ed. 893)	Minn.
†Tatelman, Bernard (Jun. 15)	D.C.	Thomas, Ethel (Jun. 12)	Calif.
Tatum, George Warren (Univ.)	D.C.	Thomas, Frances Anne (Col. 79)	Md.
†Taylor, Charlotte Emily (Univ.)	D.C.	Thomas, Franc Vesta (Jun. 40)	Va.
A.B. 1934, The George Washington University		†Thomas, Helena Mae (Univ.)	N.J.
†Taylor, Donald Kent (Jun.)	Ill.	Thomas, Herrick Melvin (Med. I)	Ohio
†Taylor, Earl John (Univ.)	Calif.	Thomas, James Carlin (Jun. 60; Govt.)	Ky.
†Taylor, Elizabeth Jane (Univ.)	Pa.	Thomas, Jesse Woodrow (Law II)	D.C.
Taylor, Eugene Lamar (Eng. 17)	D.C.	Thomas, Laura Eleanor (Col. 97)	D.C.
Taylor, Garland Burnley (Jun.)	Va.	Thomas, Malcolm Charles (Jun. 51)	Iowa
†Taylor, Harold Emory (Jun.)	Md.	†Thomas, Richard Franklin (Jun.)	D.C.
†Taylor, Harry Lee (Univ.)	D.C.	†Thomas, Wilbur Dillen (Univ.)	D.C.
†Taylor, Henry Marshall (Eng. 26)	Va.	Thomason, Louise Finch (Jun. 15)	D.C.
†Taylor, James William (Ed., A.M.)	D.C.	†Thomasson, Boyd Edward (Univ.)	D.C.
B.S. 1937, Wilson Teachers College		Thomasson, Harold Brodie (Eng. 12)	D.C.
†Taylor, Joe H. (Law, Und.)	Ky.	Thomen, Harold Ordell (Jun. 59)	Org.
LL.B. 1933, University of Louisiana		Thomison, Joel Douglas (Jun. 54)	D.C.
Taylor, John Wallace (Jun. 8)	W.Va.	Thompson, Charles Waters (Med. III)	D.C.
†Taylor, Marion Eugene (Univ.)	D.C.	Thompson, E. Wells (Univ.)	
B.S. 1937, Washington College		A.B. 1935, University of Maryland.	D.C.
Taylor, Marjorie G. (Jun. 36)	D.C.	Thompson, Edwin Struck (Univ.)	
Taylor, Martha Barris (Law I)	Tex.	B.S. in C.E. 1935, Tri State College.	Pa.
A.B. 1931, Radcliffe College		†Thompson, Eric (Col., A.M.)	
Taylor, Millic Ivor (Law I)	S.C.	A.B. 1934, Westminster College	Tenn.
A.B. 1932, University of South Carolina		Thompson, Frank M. (Law, Und.)	
Taylor, Reuben Albion, Jr. (Law I)	Tex.	LL.B. 1930, The George Washington University	
A.B. 1929, A.M. 1931, Baylor University		Thompson, Hazel Doris (Jun. 31)	D.C.
Taylor, Robert Grayson (Col. 102)	N.Y.	Thompson, Henry, Jr. (Med. II)	D.C.
Taylor, Thomas Wesley (Jun. 25)	D.C.	†Thompson, Henry Havelock (Jun.)	D.C.
Team, Robert George (Univ.)	D.C.	Thompson, Hilda Elizabeth (Univ.)	
Teeter, Dulcie Genevieve (Jun.)	D.C.	B.S. 1938, Wilson Teachers College	Okl.
Teft, Helen Frances (Med. I)	N.Y.	Thompson, J. Roy (Law II)	
A.B. 1929, University of Rochester		B.S. 1931, Oklahoma Agricultural and Mechanical College	Kans.
Tehas, Virginia (Col. 96)	Tex.	†Thompson, Jane Davidson (Col. 103)	W.V.
†Telego, Anthony Joseph (Jun. 24)	D.C.	Thompson, John P. (Univ.; Col. 62)	D.C.
Teller, Howard Scott (Jun. 12)	Tex.	Thompson, June Shirley (Jun. 54)	N.H.
†Temin, Annette Deborah (Univ.)	D.C.	Thompson, Malcolm Hayes (Law II)	
B.S. 1938, Wilson Teachers College		Ed B. 1937, State Teachers College, Plymouth, N. H.	D.C.
Tengnall, Leroy Oswald (Law I)	N.Y.	Thompson, Mary Caroline (Ed., A.M.)	
A.B. 1918, University of Chattanooga		B.S. 1916, University of Virginia	Md.
†Tennyson, Mary Bernadette (Ed. 108)	D.C.	Thompson, Mary Howard (Jun.)	D.C.
†Tepper, Harold (Jun. 84)	N.J.	Thompson, Richard Knight (Univ.)	D.C.
†Tepper, Helen Susan (Univ.)	D.C.	Thompson, Sarah Spearman (Jun.)	Va.
A.B. 1935, The George Washington University		Thompson, Virginia Florence (Univ.)	
†Tepper, Jane (Univ.)	D.C.	Thompson, William Blake (Jun. 64; Govt.)	D.C.
Tepper, Leon (Eng. 94)	Mo.	Thompson, William M. (Col. 102)	Utah
†Terbach, Theron Leroy (Law III)	Okl.	†Thomson, Henrietta Hardie (Jun. 61)	Va.
B.S. 1936, University of Maryland		Thornberry, John Orme (Law III)	D.C.
†Terpay, George Amon (Univ.)	D.C.	†Thornbrough, James Daniel (Univ.)	N.C.
Terrell, Edwin Mark (June 29)	Kans.	†Thornburg, Thelma Good (Ed., A.M.)	D.C.
†Terrett, Mildred (Univ.)	Va.	B.S. 1918, Wilson Teachers College	N.Y.
A.B. 1924, Columbia University		†Thorne, David J. (Univ.)	D.C.
†Terry, Frederick Edward (Univ.)	Conn.	Thorton, Emily Thour (Ed., A.M.)	
Terry, George Melford (Govt. 76)	Okl.	A.B. 1935, The George Washington University	Wash.
†Terry, Mary Claire (Jun. 48)	Mass.	†Thorton, Jack Bernard (Law I)	Fla.
Leominster, Salvatore John (Jun. 42)	N.Y.	A.B. 1930, University of Washington	D.C.
†Thacker, Edward Harvey (Jun. 92)	D.C.	Threadgill, Eugene Earl (Univ.)	
†Thibault, Andrew Francis (Jun. 15)	D.C.	Thurber, Pearl Mae (Col., A.M.)	
†Thibault, Robert William (Eng. 31)	N.Y.	A.B. 1927, The George Washington University	
Thiemeyer, John Samuel (Med. IV)	D.C.	Thorman, Dorothy Anne (Jun. 26)	D.C.
A.B. 1937, The George Washington University		Tibbatt, Glenn Lumpkin (Univ.)	Va.
Thigpen, Theodora Smith (Law I)	Kans.	†Tichel, Jobe Carlton (Jun.)	N.C.
A.B. 1932, Mills College		Tickner, Francis Bonner (Jun. 18)	N.C.
A.M. 1934, Radcliffe College		Tickner, Margaret (Col., A.M.)	
Thomas, Abner Morgan, Jr. (Eng. 106)	D.C.	A.B. 1936, The George Washington University	
Thomas, Donald Wayne (Eng. 22)	D.C.		
Thomas, Donis Nell (Jun.)	Miss.		



Ticknor, William Ormsby (Jun. 51)	D.C.	Trapp, Ernest Calvin (Law III)	N.Mex.
Tickton, Sidney G. (Govt., A.M.)	D.C.	A.B. 1915, Central State Teachers College, Oklahoma	
Tienken, Wilfred P. (Law II)	S.C.	*Traxler, William Byrd (Law III)	Tex.
B.S. in C.E. 1920, Clemson College		†Traynham, Paul Franklin II (Jun. 61)	S.C.
†Tietman, Edward Pratt (Jun. 58)	D.C.	Tremble, Joseph Ronald (Univ.)	Ill.
Tietman, Thomas John (Univ.)	Md.	B.S. 1920, Wayne University	
Tierney, Kaden (Med II)	W.Va.	†Tremearne, Thomas Harold (Col. 72)	Md.
A.B. 1918, The George Washington University		Tremelling, Nena (Jun. 7124)	Idaho
Tievsky, George (Med I)	D.C.	Trepps, Bertrand Eadell (Ed., A.M.)	Va.
B.S. 1919, The George Washington University		B.S. 1916, Georgetown University	
Tilghman, Anne Stackhouse (Col., A.M.)	S.C.	†Trible, Mary Lou (Univ.)	D.C.
A.B. 1919, Wadsworth College		†Tribun, Doris Beatrice (Jun. 1825)	D.C.
Tilley, James William (Univ.)	D.C.	†Tribun, Glenn Margaret (Univ.)	Minn.
Tillman, Florence (Univ.)	Ala.	Ed B. 1915, State Teachers College, Duluth	
B.S. 1927, Alabama College		A.M. 1916, Syracuse University	
†Tilton, Edward Franklin (Univ.)	D.C.	Trilling, Viola (Univ.)	D.C.
Timberlake, Winifred Humphreys (Jun. 32)	W.Va.	A.B. 1912, Hunter College	
Timke, Helen Anna (Ed. 101)	D.C.	†Tippett, William Harrison (Ed., A.M.)	Md.
Timms, Richard Charles (Jun. 30)	N.Y.	A.B. 1913, Johns Hopkins University	
†Timmons, Robert Lee (Eng. 4)	D.C.	†Tipp, Bradford Durtee (Univ.)	D.C.
†Tindel, Aileen (Univ.)	Fla.	Tipp, Edward Arnold (Leg. 12)	D.C.
A.B. 1916, Huntington College		Tissue, Mary Margaret (Univ.)	Md.
†Tinsley, Velma Keeton (Jun. 9)	Miss.	A.B. 1929, The George Washington University	
†Tirus, Ethel Dalany (Univ.)	D.C.	Trost, Otto Frederick (Jun. 18)	Va.
†Tjornagel, Christine Adolphus (Jun. 24)	Iowa	†Trowbridge, Margaret Irene (Jun. 14)	Md.
†Tobin, David Paul (Ed., A.M.)	Va.	Trowel, Oliver Leonard (Govt. 11125)	Colo.
B.S. 1919, The George Washington University		†Trox, Clarel Young (Univ.)	N.Y.
Tobin, Francis Patrick (Univ.)	Mass.	Trox, Alfred William (Law I)	Ind.
Todd, George Edward (Univ.)	D.C.	Trox, Mary Clise (Col., A.M.)	Va.
Todd, William Joseph (Univ.)	Mich.	A.B. 1927, The George Washington University	
Toll, Earl Clarence (Col., A.M.)	Mich.	Truworthy, Orson William (Ed., A.M.)	D.C.
A.B. 1919, Cornell College	Ill.	B.S. 1916, Wilson Teachers College	
Tolliver, John Sheridan (Jun. 66)	D.C.	Trott, Lillie May (Univ.)	D.C.
Tollman, Roger William (Jun. 21)	D.C.	†Trottinger, Virginia (Grad., Ph.D.)	Ohio
Tomares, Philip (Jun. 61)	Conn.	A.B. 1917, Ohio State University	
†Tomaulo, Iris Rosina (Univ.)	N.Y.	M.S. 1920, University of Maryland	
A.B. 1929, Barnard College		Tramper, Mary Madeleine (Jun. 12)	Ill.
B.S. 1932, Columbia University		†Treadle, Ruth McCoy (Univ.)	D.C.
Tomey, Jesse Cornealys (Col. 66)	Ind.	†Tucker, Herbert Christmas (Univ.)	D.C.
Toof, Robert Burr (Jun.)	D.C.	†Tucker, Irwin William (Col. M.S.)	N.Y.
Toombs, Phyllis Wanda (Univ.)	Md.	B.S. 1930, The George Washington University	
Toomey, Helen Eugene (Jun. 29)	D.C.	Tucker, John Franklin (Jun. 32)	Va.
Toothman, Charles Albert (Jun.)	Va.	Tucker, Lenore (Jun. 20)	Md.
†Torgerson, Helen (Law I)	W.Va.	†Tucker, William Hartwell (Univ.)	D.C.
B.S. 1928, University of Minnesota	D.C.	B.S. 1917, Georgetown University	
A.M. 1919, The George Washington University		†Tucker, Helen A. (Univ.)	Md.
†Torre, Antonette Marie (Govt., A.M.)	D.C.	†Tudela, Octavio (Univ.)	Peru
A.B. 1919, The George Washington University		Tuft, John Russell (Univ.)	D.C.
†Tortorello, Anthony Samuel (Univ.)	Ill.	Tuft, Thomas Davies (Eng. 95)	D.C.
Toupass, Elizabeth Mary (Jun.)	D.C.	Tull, Cora Margaret (Ed. 94 1/6)	D.C.
Towberman, George William (Jun. 48)	Va.	Tullar, Irving Meredith, Jr. (Law I)	Ill.
†Toy, Ruby Shuler (Jun.)	Fla.	A.B. 1918, Albion College	
Tracie, Helen Elizabeth (Jun.)	D.C.	†Turán, Joseph Robert (Univ.)	N.Mex.
Tracy, June Amelia (Jun.)	N.Y.	†Turnbull, Jenny E. (Univ.)	D.C.
Trainer, Francis James (Univ., Jun. 24)	N.Y.	A.B. 1920, The George Washington University	
Trammell, Edith Evelyn (Col. 61)	D.C.	A.M. 1921, Columbia University	Fla.
Trantham, Forrest F. (Eng. 113)	D.C.	†Turnbull, Peggie (Univ.)	
B.S. in Eng. 1940, The George Washington University		†Turner, Charles Sackett (Univ.)	N.J.
Trantham, Katharine Smith (Jun. 21)	D.C.	Tuttor, John Lamb, Jr. (Jun. 28)	Md.
		Turner, Olan Eldridge (Ed., A.M.)	D.C.
		B.S. 1918, Wilson Teachers College	
		†Turner, Rosemary Brainerd (Univ.)	D.C.
		†Turner, Thomas Livingston (Law I)	D.C.
		B.S. 1917, United States Naval Academy	



Turney, Dillon S. (Law I) B.S. in E.E. 1937, Iowa State College	Iowa	Vanderlip, Robert Griswold (Ed., Ed.D.) A.B. 1927, University of Michigan A.M. 1931, Columbia University Van Emon, Walter Cornell, Jr. (Univ. Jun. 36)	D.C.
Turney, Mary Theresa (Jun.)	Va.	Van Hemert, Marcel Paul (Col. 120)	Oreg. Ill.
Turnure, Robert F., Sr. (Univ.)	Colo.	Van House, Ann Hasseltine J. (Univ.)	D.C.
Turpin, Malcolm Everett (Ed., Ed.D.) A.B. 1930, Marshall College	Pa.	†Van Horn, Elizabeth Kente (Law I)	N.Y.
A.M. 1935, New York University		†Van Kirk, Mattye Lou (Univ.)	D.C. Ill.
Turpin, William (Law I)	Va.	Van Meter, LaRue (Law I)	
†Turrentine, Rudolph Andrew (Law I) B.S. 1934, United States Naval Academy	D.C.	A.B. 1922, Illinois Wesleyan University	
Turron, Edward Arnold (Jun. 51)	N.Y.	A.M. 1932, University of Illinois	Va.
Turton, Victor Thomas (Jun. 47)	N.Y.	Van Meter, William Garrett (Jun. 32)	W.Va.
Turville, Edward A. (Law II) A.B. 1926, Washington and Lee University	Fla.	Vanmetre, Thomas H. (Ed., A.M.) A.B. 1935, Shepherd State Teachers College	
Tusing, Thomas William (Jun. 30)	D.C.	†Vann, Margaret Livingston (Univ.)	D.C.
Tweedie, Agnes Kerr (Ed., Ed.D.) A.B. 1926, Mount Holyoke College	D.C.	†Van Patten, Ernest Wright (Jun.)	D.C.
Ed.M. 1934, Harvard University		Van Sawa, Charles Warren, Jr. (Col. 7973)	Wash. D.C.
Twigg, Theodore Kendall (Jun.)	Mo.	†Van Slyke, Bertha Marian (Univ.)	Wash. D.C.
†Tyler, Ellis Dowling (Jun.)	Fla.	Varda, Margaret (Jun.)	
Tyler, George William (Grad., Ph.D.) B.S. 1930, Emory and Henry College	Va.	Varner, David Edwards (Law I)	
A.M. 1935, Duke University		B.S. 1936, Massachusetts Institute of Technology	D.C.
†Tyler, William Seymour III (Law I) A.B. 1926, Amherst College	N.J.	†Vasvary, Edmund Calvin (Jun.)	N.Y.
B.S. in E.E. 1929, Massachusetts Institute of Technology		Vandusen, Eleanor Thomas (Univ.)	Tex.
Tyrell, Dorothy Phillips (Univ.)	Md.	Vaughan, John Henry (Univ.)	Wash.
†Tyssinger, James Wesley (Eng.)	D.C.	Vaughn, Victor Armond (Univ.)	
Tyson, Clifford Wayne (Jun. 63)	Md.	Vaught, Jethro Sparkman, Jr. (Law II)	N.Mex.
Tyson, George Philip (Univ.)	Va.	A.B. 1931, University of New Mexico	
U			
Udall, John Nicholas (Law I)	Ariz.	Vaught, John Marshall (Law I)	Tenn.
†Udall, Doris (Jun. 60)	D.C.	A.B. 1930, Washington and Lee University	
Umberger, Ernest Joy (Col., A.M.) B.S. 1937, The George Washington University	S.Dak.	Vavra, Helen Mary (Jun. 3)	Minn. Md.
Umstead, Mary Louise (Univ.)	Pa.	Vawter, Wallace Read (Law I)	
Umstead, William Lee (Jun. 18)	N.C.	B.S. in C.E. 1924, Purdue University	P.R.
Unangst, Mary Louise (Col., A.M.) A.B. 1932, Texas College of Arts and Industries	D.C.	Velazquez, Julia Mercado (Ed. 73)	Wash. Ind.
Underwood, Gilbert Stanley II (Univ.)	France	†Veling, Francis J. (Jun. 3)	Nebr.
Underwood, Harry Kent (Law I) A.B. 1933, American University	N.Y.	Velkoff, Cyril (Jun. 46)	D.C.
†Unruh, Albert (Univ.)	D.C.	Veite, Clara Wilhelmina (Ed. 94)	D.C.
Upton, William Robert (Col. 89)	Ariz.	Veltri, Louis Anthony (Jun. 61)	D.C.
Upton, Ervin Charles (Law I) B.B.A. 1932, University of Minnesota	Minn.	†Venizelos, Lincoln Peter (Univ.)	D.C.
Upton, Everett Hughes (Jun. 27)	Md.	†Ventre, Emil Karl, Jr. (Jun.)	Nebr.
Uram, Josephine Marie (Col. 104)	Calif.	†Veon, Dorothy Helene (Univ.)	
Urbaich, Robert Gray (Univ.)	Va.	B.S. 1935, University of Nebraska	
Urick, Ludwig Frank (Jun. 193; Ed.)	Minn.	A.M. 1939, The George Washington University	N.J.
Urdian, Bertha Meyer (Univ.)	Wyo.	Verta, James (Jun. 33)	D.C.
Usuda, Takeo Charles (Col. 96)	Md.	Vetter, Elizabeth Lindsay (Jun. 39)	Md.
V			
Valdez, Lloyd (Law I)	Colo.	Vettori, Ferrer Louis (Eng. 113)	D.C.
†Valgent, Helen R. (Jun.)	Ohio	Viccellio, Asa William (Jun. 46)	D.C.
Van Atta, James Leonard (Jun. 12)	Ohio	†Vick, Berneise Wise (Univ.)	N.Y.
Vance, Harold Taylor, Jr. (Jun. 27)	Ala.	†Victor, Harry William (Jun. 44)	Md.
Vance, James Frank (Univ. 74)	Tex.	†Vierling, Helen Overton (Univ.)	
Vance, Jane Sevier (Col. 66)	D.C.	A.B. 1930, Barnard College	Md.
Vance, Sarah Caroline Foust (Univ.)	N.C.	Vierling, Mabel Overton (Col. 65)	D.C.
Vandercook, Charles Richard (Univ.)	D.C.	Vietor, Hendrik Willem (Jun. 27)	N.Y.
		Vietor, Jeanne Gerardina (Jun.)	Calo.
		†Viland, Lillian Margaret (Univ.)	
		A.B. 1932, University of Denver	Mo.
		Vinimour, Edwin Sherman (Law III)	N.Y.
		Vinograd, Arthur (Law I)	
		B.S. 1935, M.F. 1936, College of the City of New York	Del. D.C.
		Virdin, Donald Odell (Jun. 61)	Va.
		Vize, Alma Roscoe (Univ.; Ed. 9775)	Ga.
		Vliet, Leland Arthur (Jun.)	
		Voerge, Helen Lily (Univ.)	

Vogolino, Carol Lina (Jun.)	N.J.	†Walker, Arthur L. (Ed., Ed.D.)	Va.
Voight, John Penrose (Jun. 30)	Va.	A.M. 1933, Colorado State Teachers College	
Volcho, Emil Samuel (Jun.)	Ohio	B.S. 1929, North Texas State Teachers College	
†Volk, Donald Joseph (Eng.)	Del.	Walker, Clifford W. (Jun. 12)	Ark.
Volk, Meyer (Col., A.M.)	Wis.	Walker, Ernest Cassell (Univ.)	N.C.
A.B. 1930, University of Wisconsin		Walker, Eugene Howe (Govt., A.M.)	S.Dak.
†Volk, Mildred Eulalie (Jun. 12)	D.C.	A.B. 1936, Augustana College	
Volkner, Henry Wright (Law I)	Utah	Walker, F. Lyle (Eng.)	D.C.
B.S. 1937, University of Utah		Walker, Harold Donald (Govt., A.M.)	Wash.
Volante, August Felix (Univ.)	N.C.	A.B. 1937, The George Washington University	
B.S. 1923, Cooper Union		Walker, Ida Jeanette (Jun. 10)	Colo.
Volsk, Nicholas Theodore (Law II)	D.C.	†Walker, John Frost, Jr. (Law, LL.M.)	S.C.
B.S. 1927, University of California		A.B. 1931, LL.B. 1935, University of South Carolina	
†Von Guerard, Ralph Bernard (Univ.)	Wash.	Walker, Julia Myra (Univ.)	D.C.
A.B. 1928, University of Washington	Wash.	†Walker, Margaret Justia (Univ.)	D.C.
VonKummer, Samuel Miller (Jun. 48)	N.Y.	†Walker, M. Ham H. (Col. 72)	Okl.
Voss, Michael Peter (Jun.)	Iowa	Walker, Robert Butler (Ed., A.M.)	Va.
VonWald, Dorothy Virginia (Ed. 1923)	D.C.	A.B. 1931, Duke University	
VonWald, Walter Anthony (Eng. 44)	S.Dak.	Walker, Samuel Branch (Law I)	Idaho
†Workpeper, Dwight Henry (Eng. 113)	D.C.	B.S. 1935, M.S. 1939, University of Idaho	
Voss, Elizabeth (Jun.)	Md.	Walker, Zella Ward (Univ.)	Miss.
Vought, Kimber Evans (Jun.)	Pa.	†Wall, Ellen Teresa (Univ.)	D.C.
Vukovich, Julia (Jun. 18)	Calif.	Wall, Fred, Jr. (Jun. 61, Law I)	Ala.
		†Wall, Mary Louise (Univ.)	D.C.
		†Wallace, Charles Carl (Jun. 54)	Tenn.
		Wallace, Charles James, Jr. (Med. II)	Calif.
		A.B. 1937, Stanford University	
		Wallace, Dorothy Barbara (Univ.)	D.C.
		Wallace, Richard Dana (Eng. 116)	D.C.
		Wallack, Helene Ann (Univ.)	D.C.
		Wallander, Lillian Mary (Jun. 2835)	D.C.
		†Wall, Anna Lou (Jun. 12)	Ark.
		Wallon, Edward John (Univ.)	Mass.
		B.M.F. 1931, Northeastern University	
		Walshford, Florence (Univ.)	D.C.
		Walls, Harriet Brayton (Jun.)	D.C.
		Walls, Violet Elizabeth (Govt. 56)	Ill.
		Walsh, Charles J. (Ed. A.M.)	Va.
		B.S. 1931, University of Tennessee	
		Walsh, Dorothy Drexel (Law I)	Va.
		†Walsh, Joseph (Law I)	Mich.
		A.B. 1938, University of Michigan	
		Walston, Charles Bowen (Govt. 1932)	Mo.
		Walston, Louise Leche (Jun. 112)	Miss.
		†Walsh, Charles O. (Univ.)	D.C.
		Walton, George R. (Col. 96)	Ill.
		Walter, Paul Bradley (Law III)	
		B.S. 1932, Dartmouth College	
		†Walter, Rudolph Louis (Univ.)	Md.
		†Walter, Wendell Timex (Col. A.M.)	Ky.
		B.S. 1938, University of Kentucky	
		†Walters, Arthur Lewis (Jun. 54)	D.C.
		†Walters, Bobbie Fay (Law)	D.C.
		Walters, John Henry (Univ.)	N.I.
		Walton, Jeanne Henderson (Univ.)	Md.
		†Walton, Marion Beth (Univ.)	D.C.
		Walton, Thomas William, Jr. (Univ.)	D.C.
		Walsan, Fred Herbert (Col. 6275)	Tenn.
		†Wann, Elsie Reed (Univ.)	D.C.
		A.B. 1934, Randolph Macon Woman's College	
		†Wanner, Howard Gregory (Jun.)	Minn.
		†Ward, Edward Francis (Jun.)	D.C.
		Ward, Frederick Neville (Jun. 62)	Ala.



Ward, Kathryn M. Painter (Grad., Ph.D.) A.B. 1915, A.M. 1917, The George Washington University	D.C.	Webb, Paul Hamilton Waring (Col. A.M.) B.S. 1937, University of South Carolina	S.C.
Wardman, Joseph Wilkinson (Univ.)	D.C.	Webb, Richard William (Eng. 43)	Conn.
†Ware, Mary Lucy (Col. 60)	D.C.	Webb, Ruth Kinser (Ed., Ed.D.)	D.C.
Ware, William Lynch (Univ.)	Tenn.	A.B. 1934, A.M. 1936, The George Washington University	Pa.
B.S. 1922, United States Naval Academy		†Webb, Mary Virginia (Law I)	
Warlow, Virginia R. (Law I)	Ill.	A.B. 1925, Wellesley College	Mont.
A.B. 1914, Grinnell College		Weber, George Mathias (Jun. 45)	D.C.
Warner, Adrienne (Jun.)	D.C.	Weber, Harry Frederick (Univ.)	
†Warner, Catharine Davis (Univ.)	D.C.	A.B. 1934, A.M. 1939, The George Washington University	D.C.
†Warner, Catherine Marshall (Col., A.M.)	Md.	†Weber, Helen Hawkins (Col., A.M.)	
A.B. 1939, Connecticut College for Women		A.B. 1921, Transylvania College	D.C.
†Warner, Irma Clara (Jun.)	N.Y.	Weber, Marjorie Louise (Jun. 76)	N.I.
Warner, Madge Brown (Jun. 9)	D.C.	Weber, Paul Joseph (Col. M.S.)	
Warner, Mary Althea (Col. 60)	W.Va.	B.E.E. 1928, Cooper Union	Ohio
Warner, Mary Louise (Jun. 18)	D.C.	Webster, Ernest Alan (Jun. 10)	D.C.
Warner, Paul Andrew (Univ.)	N.Y.	†Webster, Frances Lee (Univ.)	D.C.
Warner, Percy de Forest (Univ.)	Wis.	Webster, Henry Asa (Univ.)	
†Warner, Virgie Irene (Univ.)	Va.	Wechsler, Nathan (Law I and Govt. 106)	D.C.
Warren, Edwardina Simms (Univ.)	D.C.	Wechsler, Sanford Leonard (Law I)	Mich.
Warren, Mary Beach (Ed., A.M.)	D.C.	*Wedge, Virgil H. (Law III)	Nev.
A.B. 1928, The George Washington University		B.S. 1936, Brigham Young University	D.C.
Warren, Ruth Eleanor (Col. 64)	D.C.	Weed, Norman Broadwell (Law I)	
†Wassley, Helen Amalia (Univ.)	D.C.	A.B. 1918, Stanford University	Md.
Wartten, Robert Orr (Jun.)	Md.	†Weeden, Henry Gregory (Eng.)	Ind.
Waselkov, Alexander (Univ.)	Colo.	Weger, Raymond Alvin (Univ.)	Mass.
Washburn, Ivan (Eng. 91)	Va.	Weger, Sidney (Govt. 90)	D.C.
Washington, A. Jack (Univ.)	Ohio	Wehr, Patricia Rose (Col. 6634)	D.C.
Washington, Bushrod Corbin (Jun.)	Pa.	†Weickhardt, Charles Eugene (Jun.)	D.C.
Wasserman, Harold Allen (Eng. 6)	D.C.	Weikinger, Charlotte Elissa (Jun. 1)	Va.
†Wasserman, Oscar (Govt. 90)	Calif.	Weiler, Harold Frederick (Ed., A.M.)	
Waterman, Edward Lester (Jun. 55)	Maine	B.S. 1921, Randolph-Macon College	D.C.
Waters, Dorothy Genevieve (Jun. 53)	Kans.	Weiler, Harriet Louise (Jun.)	Mass.
*Watkins, Robert Edward (Law III)	D.C.	†Weimers, Betty J. (Jun.)	N.I.
B.S. 1931, United States Naval Academy		Weiner, Herman Robert (Med. II)	
Watson, Beulah Elizabeth (Univ.)	Tex.	B.S. 1928, College of William and Mary	Nev.
Watson, Clive Francis (Col., A.M.)	Kans.	†Weinman, Ruby Belle (Jun. 66)	N.Y.
A.B. 1915, Municipal University of Wichita		Weinstein, Emanuel (Univ.)	N.Y.
Watson, Guy B., Jr. (Eng. 99)	D.C.	A.B. 1934, Brooklyn College	D.C.
Watson, Raymond Albert (Jun. 38)	D.C.	†Weinstein, Milton (Univ.)	D.C.
Watson, Raymond Oliver (Jun. 8)	Md.	†Weinstock, Hyman (Univ.)	D.C.
Watson, Walter Lee (Law III)	Miss.	Weise, Ernest Lyman (Col., A.M.)	
Wattstein, David (Col. A.M.)	D.C.	B.S. 1938, The George Washington University	D.C.
B.S. 1930, University of California		Weiss, Henry Strauss (Jun. 32)	Va.
Watt, John Paul, Jr. (Jun. 76, Govt.)	Ohio	†Weiss, Margaret S. (Univ.)	
†Watts, Holt Fairhead Butt (Jun. 29)	D.C.	A.B. 1920, Albion College	
Watts, John Raabiel (Jun. 28)	D.C.	M.S. 1921, Smith College	D.C.
Way, Barbara (Col., A.M.)	Ala.	Weiss, Robert (Pharm. 100)	Ill.
A.B. 1915, University of Alabama		Weiss, Saul (Eng. 7)	N.Y.
†Wayland, Francis Wellman (Univ.)	Va.	Weiss, Werner Herbert (Univ.)	N.Y.
Wear, Barbara Lynne (Govt., A.M.)	Calif.	Weissbluth, Mitchell (Col., A.M.)	
A.B. 1919, Stanford University		A.B. 1936, Brooklyn College	N.Y.
Weathersbee, Frank Burkhead (Univ.)	D.C.	Weissman, Arthur (Law III)	
Weaver, Douglas Price (Jun. 18)	Iowa	A.B. 1934, College of the City of New York	Va.
Weaver, Frank Lloyd, Jr. (Jun. 76)	Mich.	Weiss, Renee Pantin (Jun. 6334)	D.C.
Weaver, Thomas Harold (Med. IV)	Va.	Weitzen, Edwin Hyman (Med. I)	Pa.
Weaver, Wanda Maye (Jun.)	Wyo.	Wein, Walter William (Jun. 28)	D.C.
Webb, Charles Edward (Eng. 77)	Vt.	†Welch, Ernest Roy, Jr. (Univ.)	Wash.
Webb, Halmar Jenkins (Law II)	Va.	Welch, Jack Harvey (Jun. 15)	Mass.
†Webb, James Henry, Jr. (Univ.)	Va.	Welch, Margaret Mills (Col., A.M.)	
B.S. 1928, University of Virginia		A.B. 1937, Louisiana State University	
†Webb, John Nye (Univ.)	Va.	Weldie, Miriam Florence (Jun. 70; Govt.)	Brasil
A.B. 1931, A.M. 1933, Ph.D. 1936, Columbia University		†Weldon, Frank DeWitte (Univ.)	Pa.



# Students Registered

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†Welge, Cleda Lucile (Univ.) A.B. 1934, University of Oklahoma	Okla.	†White, Elijah Brockenborough (Col., A.M.)	Va.
Wells, Carl Hunt, Jr. (Med. III) B.S. 1936, University of Georgia	Md.	B.S. 1931, Clemson College	
Wells, Dorothy Elizabeth (Univ.)	D.C.	LL.B. 1918, The George Washington University	
†Wells, James Millard (Jun. 12)	Pa.	White, Irma Reed (Grad., Ph.D.)	D.C.
†Wells, John Robert (Univ.)	Md.	A.B., Ed.B. 1919, University of Colorado	
Wells, Nira Elizabeth (Jun.)	D.C.	White, James Bradley (Jun. 74; Govt.)	Md.
Wells, Russell Brown (Univ.)	Va.	†White, John William (Jun. 56)	D.C.
†Welsh, Glenn Sylvan (Univ.)	Kans.	White, Joseph Charles (Jun.)	D.C.
†Welsh, Edward Charles (Jun.)	Pa.	†White, Margaret Marie (Jun.)	D.C.
Welt, Samuel Louis (Law I)	Pa.	†White, Natalie Evelyn (Col. 100)	Va.
A.B. 1934, University of Pennsylvania		White, Robert Wood (Jun.)	Va.
A.M. 1939, The George Washington University		†White, Ruth A. (Univ.)	D.C.
Welton, Elizabeth Lora (Col. 99)	W.Va.	White, Ruth Sarah (Col. 96)	Mass.
Werble, Eleanor (Col., A.M.)	W.Va.	†White, Sarah Lucille (Jun. 54)	N.Mex.
B.S. 1938, The George Washington University		†White, Virginia Winifred (Ed. 86)	Md.
Werbow, Stanley (Jun.)	D.C.	White, Warren D. (Univ.)	D.C.
Wermiel, Benjamin (Govt. 108½)	N.Y.	B.S. 1936, Drury College	
†Werner, Betty (Jun.)	Wash.	B.S. in E.E. 1938, Missouri School of Mines	
Werner, George Henry (Eng. 129)	D.C.	White, William Melone (Col. 104)	Ohio
†Wernlied, Seymour (Jun. 46)	N.Y.	Wherry, Thomas Downer (Jun.)	D.C.
Wesner, Norman Nathan (Jun.)	D.C.	Whitener, Russell P., Jr. (Jun. 42)	Va.
Wesner, James Woodrow (Col. 66)	Ark.	Whitwell, Harry Sellers (Ed., A.M.)	D.C.
Wesser, Alex (Jun. 6)	Md.	A.B. 1938, The George Washington University	
West, Anne Turley (Col., A.M.)	D.C.	†Whiteside, Edgar Leslie (Jun.)	D.C.
A.B. 1937, The George Washington University		†Whitless, Clyde Elmer (Eng.)	D.C.
West, Margaret Braitmayer (Jun.)	Md.	Whitless, Ralph Dawson (Med. IV)	Ark.
Wester, Peter Homer (Eng.)	D.C.	B.S. 1937, The George Washington University	
Weston, Robert Gildard (Eng. 72)	N.Y.	Whitlock, Victor, Jr. (Law I)	Md.
Wetmore, William Furbush (Jun.)	Va.	A.B. 1930, Dartmouth College	
†Wettig, Doris Elaine (Univ.)	Kans.	†Whitman, Robert Stuart Sturgis (Univ.)	N.Y.
Wexler, Harry Isidore (Col., A.M.)	N.Y.	†Whitman, Doris S. L. (Col. A.M.)	D.C.
A.B. 1937, Brooklyn College		A.B. 1930, Radcliffe College	
Whalen, Carl Henry (Med. II)	Tex.	†Whitman, Ralph Calhoun (Univ.)	N.Y.
A.B. 1937, University of Texas		A.B. 1918, Harvard University	
†Whaler, George William (Jun.)	D.C.	†Whitney, Carl Everett, Jr. (Ed. 70)	N.Y.
A.B. 1937, University of Pennsylvania	Fla.	LL.B. 1938, Georgetown University	
Wharton, John Woolman (Law I)	Tex.	†Whitney, Forrest Huntington (Univ.)	D.C.
A.B. 1937, University of Pennsylvania		Whitney, Frank Lubman (Eng. 51)	Md.
Wharton, Maude C. (Law II)		†Whitney, Marvin Edward (Univ.)	Va.
A.B. 1935, The George Washington University		Whitwell, Reginald Banks (Jun.)	Pa.
†Wheat, Charlene (Jun.)	Ark.	†Whitt, John Bartley (Col. 73)	D.C.
†Wheatley, Sydney Hunt (Jun.)	D.C.	†Whitt, Merle (Univ.)	D.C.
†Whedbee, Robert Eugene (Col., A.M.)	Kans.	Whittemore, Nancy Ann (Jun. 32)	D.C.
A.B. 1938, University of Kansas		Whitten, Herbert Osvald (Col., A.M.)	Ill.
Wheeler, Helen Bouschelle (Jun.)	D.C.	A.B. 1930, Carthage College	
Wheeler, Katherine Ethel (Jun.)	D.C.	Whitman, Edward Joseph (Jun.)	N.Y.
†Whelchel, Julius B. (Law I)	Ge.	Whitman, John Darlington (Govt. 94)	Mich.
A.B. 1934, University of Georgia		Wiest, Bernard Andre (Col., A.M.)	N.Y.
Whetstone, Richard Roy (Col. 102)	Calif.	A.B. 1936, New York University	
†Whight, Robert Williston (Univ.)	D.C.	†Wiener, Minnie (Law I)	N.Y.
†Whims, James Leo (Law I)	Pa.	B.S. 1929, College of the City of New York	
B.S. 1934, State Teachers College, West Chester		A.M. 1933, Hunter College	
Whitaker, Fred Dale (Jun. 71)	Mo.	A.B. 1938, The George Washington University	
†Whitaker, Nelson Chambliss (Univ.)	D.C.	Wiest, Quentin William (Eng. 111)	Pa.
†Whitbeck, Barbara (Jun. 51)	N.Y.	Williamson, Edward Joseph (Jun. 38)	Pa.
†White, Allan Wesley (Eng.)	D.C.	Wilber, Walter B. (Law I)	N.Y.
White, Byron (Col., A.M.)	N.C.	M.E. 1927, Rensselaer Polytechnic Institute	
A.B. 1928, University of North Carolina		Wilbur, Herbert Tilden, Jr. (Med. III)	Maine
White, Charles Stanley, Jr. (Med. II)	D.C.	A.B. 1935, University of Maine	
B.S. 1937, Harvard University	D.C.	†Wilburn, Donald Ernest (Univ.)	Tenn.
White, Donald Lloyd (Col. 84)	D.C.	Wilcox, Alice Helen (L.S. 113)	D.C.
White, Douglas Carlton (Jun.)	D.C.	†Wilcox, Audrey Reid (Univ.)	Va.
†White, Edith Emilie (Jun.)	D.C.	†Wilcox, Chester McKendree (Univ.)	Md.
†White, Eleanor Eugenia (Ed. 90)	Md.		

Wilcox, Lorena Evangeline (Ed., A.M.) A.B. 1926, College of William and Mary	Md.	Williamson, Harry White (Jun. 49) Williamson, Margaret Ellen (Col. 97) Williamson, Monroe W. (Jun. 75) Williamson, Robert Grant (Law III) Williamson, Roy Oliver (Eng. 93) †Williamson, Ruth Houser (Ed. 100) William, Frank Louis (Med., M.S.) B.S. in Med. 1920, M.D. 1920, The George Washington University	D.C. D.C. Ark. Minn. Ind. Md. D.C.
Wilcox, Marion Breese (Col. 98) Wildes, Cyril Martin (Law I) Wildhack, William August (Grad., Ph.D.) B.S. in E.E. 1911, M.S. 1932, University of Colorado	N.Y. Wis. D.C.	William, Robert Allen (Univ.) †Willis, Benjamin Coppage (Ed., Ed.D.) A.B. 1922, The George Washington University	Tex. Md.
Wildman, Rose Katharine (Ed., A.M.) A.B. 1940, The George Washington University	Conn.	A.M. 1920, University of Maryland	D.C.
Wiler, Jessie Emma (Ed., A.M.) A.B. 1940, The George Washington University	D.C.	Willis, Bennett, Jr. (Law II) †Willis, Claude Edwards (Ed., A.M.) B.S. 1938, Wilson Teachers College	Va. D.C.
†Wiley, Allene Ruddell (Univ.) Wiley, William Warner, Jr. (Jun. 49) Wilkins, Louis (Univ.) Wilken, Ruth Robertson (Ed., A.M.) A.B. 1938, The George Washington University	D.C. Ga. N.Y. D.C.	A.B. 1931, Washington College A.M. 1936, Columbia University Willis, Fred W., Jr. (Univ.; Jun. 26) Willis, Herbert Arthur (Univ.) A.B. 1927, University of Richmond	S.C. Va.
Wilkenfeld, Sarah Ducker (Col. 90) †Wilkins, Leah Woods (Ed. 11645) Wilkins, Marjorie Vesta (Jun. 42) Wilkins, Thomas Gaylord (Univ.) †Wilkins, Verna Moody (Univ.) A.B. 1927, Bessie Tift College	N.Y. D.C. Md. Tenn. Md.	Willis, John Brewster (Eng. 198) Willis, Robert Eugene (Law II) B.S. 1915, Oklahoma Agricultural and Mechanical College	Va. D.C. Okla.
Wilkinson, Betty Gayle (Col. 75) †Wilkinson, Elizabeth Myrtle (Univ.) Will, Donald Parker (Eng. 25) Willard, Bevelyn Laverne (Col. 75) Willard, Eugene L. (Med. IV) Willner, Arthur Louis (Jun.) Willie, Robert August (Jun. 76; Govt.) †Willie, Robert Haven (Col., A.M.) †Williams, Allison Ridley (Univ.) B.S. in E.E. 1927, Massachusetts Institute of Technology	Va. D.C. Mo. S.C. N.Y. D.C. D.C. D.C. Wis.	Willis, Joseph Boone (Univ.) †Willis, Lara Kathleen (Univ.) Willis, Robert Mayo, Jr. (Univ.) †Wilson, Alexander Hamilton, Jr. (Jun.) Wilson, Archie Temple (Jun. 66) Wilson, Florence Louise (Col., Uncl.) B.S. 1939, Nebraska State Teachers College	Tex. D.C. D.C. Md. Okla. D.C.
†Williams, Angela Mahala (Univ.) †Williams, Dessie May (Jun.) Williams, Don Hanson (Univ.) Williams, Doris (Col., A.M.) B.S. 1928, New York State College for Teachers	D.C. Md. D.C. D.C.	Wilson, Firman Wentling (Univ.) Wilson, Herbert G. (Univ.) Wilson, Howard (Eng. 114) †Wilson, James Elbert (Jun. 6) Wilson, John Lawrence (Eng. 15) Wilson, John Todd (Jun. 58; Col.) Wilson, Martha Louise (Ed. 109) Wilson, Oris Dwight (Jun. 32) †Wilson, Paul Randolph (Jun. 61) Wilson, Stanley Livingston (Univ.) B.S. 1924, United States Naval Academy	D.C. D.C. D.C. N.C. D.C. Pa. D.C. Va. D.C. D.C.
Williams, Ellen Robinson (Jun. 9) †Williams, Eva Avis (Univ.) †Williams, Hugh Edwards (Govt., A.M.) A.B. 1938, College of Idaho	Pa. Tex. D.C.	Wilson, Thomas Ashton (Univ.) Wilson, William Talbot (Jun.) Winburn, Robert Jones (Law I) A.B. 1938, Duke University	Colo. Pa. Ga.
†Williams, John A., Jr. (Univ.) Williams, John Milton (Col. 91) †Williams, Katharine Phillips (Univ.) Williams, Loraine Squier (Jun. 74; Ed.) Williams, Lyle LaVerne (Law III) B.S. 1933, University of Michigan	D.C. S.C. N.C. D.C. Mich.	†Winchell, Ruthanna P. (Univ.) †Windham, Donald Edward (Univ.) Wine, Sarah (Univ.) Wingard, Eldon Wayne (Jun. 24) Wingert, John Alvan (Jun.) †Winget, Jean H. (Univ.) Winkels, Annette (Univ.) †Winkler, George James (Univ.) Winkler, Sheldon W. (Law I) B.S. 1936, University of California	D.C. D.C. Minn. Kan. Pa. W.Va. D.C. N.J. Utah
Williams, Marilyn Olga (Jun. 34) †Williams, Melville Chase (Law, Uncl.) A.B. 1931, University of South Dakota L.L.B. 1936, University of Wisconsin	D.C. Md.	†Winn, Agnes Shirley (Ed. 12155) Winn, M.S. Sabey, Jr. (Med. IV) A.B. 1930, Williams College	Wash. Fla.
Williams, Nannie Mae Morris (Ed., A.M.) B.S. 1933, Mary Washington College	Va.	Winokur, Louis (Univ.) B.S. 1935, Massachusetts State College	Mass.
Williams, Robert Snead, Jr. (Ed., A.M.) A.B. 1930, The George Washington University	D.C.	A.M. 1916, University of Michigan Winokur, Harry Jackson (Grad. Ph.D.) B.S. M.S. 1920, University of Minnesota	Md.
Williams, Susanne Catharine (Univ.) Williams, Wilfred Stanton (Law I) B.F.S. 1937, University of Southern California	Va. Calif.	Winston, Robert Mitchell (Law I)	Ky.
Williamson, Charles John (Col. 66) Williamson, Clifton Russell (Jun. 29) †Williamson, Gertrude Lorena (Jun.)	Mich. Ark. D.C.		



Winter, Harvey John (Grad., Ph.D.) A.B. 1938, A.M. 1939, University of Buffalo	N.Y.	Woods, Edwin Marechal (Law III) B.S. in C.E. 1927, University of Alabama	Miss.
†Winter, Philip Hayward (Ed., A.M.) B.S. 1938, Wilson Teachers College	Wyo.	Woods, Thalia S. (Jun. 25½)	Md.
†Winter, Mahlon Alpheus (Law I) B.S. 1938, Massachusetts Institute of Technology	Pa.	Woodside, Byron Darlington (Law II) B.S. 1920, University of Pennsylvania A.M. 1933, The George Washington University	Pa.
Winter, William Walker (Col. 80) Winthrop, Henry (Ed., A.M.) B.S. 1935, College of the City of New York	Wyo. N.Y.	Woodside, Lehman Frank (Law III) A.B. 1938, The George Washington University	Ill.
†Wise, Edith Croft (Col. 96½)	D.C.	†Woodside, Roy Hult (Univ.)	N.I.
†Wise, Richard J. (Jun.)	Pa.	Woodside, Walter Wesley (Law I)	Ill.
†Wiseman, E. Finley (Col., A.M.) A.B. 1936, The George Washington University	D.C.	†Woodson, Sara Margaret (Univ.)	Va.
†Wisniewski, Jerome Joseph (Col., A.M.) B.S. 1936, Marquette University	Wis.	Woodson, Wilbert Tucker (Ed., A.M.) A.B. 1916, College of William and Mary	D.C.
Witcover, Henry Wallace (Grad., Ph.D.) A.B. 1936, Duke University A.M. 1937, The George Washington University	Ga.	Woodward, Kathleen Elizabeth (Jun.) Woodward, Robert Chalmers (Jun.) Woodward, Thomas Monkett (Jun. 80) Woodward, Walter Francis (Law III) A.B. 1938, The George Washington University	Mich. Va. Vi. D.C.
†Withers, Georgia Carney (Univ.)	D.C.	Woodward, Lulu Freer (Univ.; Jun. 27)	D.C.
†Withers, Jean A. (Univ.)	Idaho	†Woodard, Rasmusd Morgan (Univ.)	D.C.
†Witt, Ewald (Univ.) B.S. 1927, M.S. 1928, University of Nebraska	Md.	†Wood, Aileen Reuter (Jun. 66)	D.C.
†Wittenberg, Wolf (Jun. 47)	N.Y.	†Woodson, William Spry (Univ.)	Utah
Wittman, Charles Howard (Col. 108)	D.C.	Workman, Elizabeth Jean (Col. 73)	D.C.
Wuczek, John Joseph (Govt. 88)	Wis.	Worrell, Rhoda (Jun.)	D.C.
Widzy, Mary Walucki (Univ.)	D.C.	Worthington, George Sanford (Col., A.M.)	D.C.
Widzy, Chester Seymour (Univ.)	Conn.	B.S. 1938, Duke University	
Wolf, Dorothy Leah (Jun.)	D.C.	Wortley, Mary G. (Ed., Ed.D.)	Maine
†Wolf, John Edward (Jun. 44)	Kans.	A.B. 1924, Bates College A.M. 1938, The George Washington University	
†Wolf, Joseph (Jun. 12)	Ohio	Woycik, Peter William (Jun. 66)	D.C.
Wolf, Martin Luther (Col. 105)	N.Dak.	D.D.S. 1935, Georgetown Univer- sity	
†Wolfe, Abe (Univ.)	D.C.	†Wren, Hurd, Jr. (Jun. 63)	Tex.
†Wolfe, Helen Lorraine (Univ.)	D.C.	†Wright, Betty (Univ.)	Ariz.
†Wolfe, Laurence Eugene (Univ.) B.S. 1940, Parsons College	Iowa	†Wright, Clarence S. (Univ.)	N.Y.
†Wolfe, Leon (Jun.)	D.C.	Wright, Edward Furpason (Eng.; Jun.)	D.C.
Wolff, Jacob (Jun. 54½)	N.Y.	Wright, Grace Stevens (Col. 120)	D.C.
Wolfford, James Charles (Jun.; Eng.)	Nebr.	Wright, Harry Otis, Jr. (Eng. 80)	Va.
Wolfford, May Jackson (Univ.)	Tex.	†Wright, Harvey Cecil (Govt., A.M.) A.B. 1938, The George Washington University	D.C.
†Wood, Burton Land (Univ.)	D.C.	Wright, Irene Mildred (Jun. 50)	Mass.
Wood, Charles Wills (Univ.) B.S. 1936, Temple University	Va.	†Wright, Isabel (Univ.) B.S. 1936, University of Chatta- nooga	Tenn.
Wood, Dorothy Hunter (Univ.)	Pa.	Wright, Margaret Elizabeth (Jun. 24)	D.C.
†Wood, James Campbell (Univ.) A.B. 1927, M.S. 1929, University of Denver	Colo.	Wright, Margaret Frances (Col. 98)	D.C.
Wood, John William (Col. 61)	Pa.	†Wright, Maurice Elwood (Jun.)	Ark.
†Wood, Kathryn Crosby (Jun. 32)	Md.	Wright, Orville Kenneth (Jun. 107)	Okla.
Wood, Rex Spencer, Jr. (Jun. 69)	Tex.	Wright, Thomas Willerahain (Law I) A.B. 1928, Princeton University	N.J.
Wood, Walter Preston (Law I) B.S. 1936, University of Alabama M.S. 1937, University of Washington	Wis.	†Wright, Virginia Hitt (Jun. 15)	Pa.
†Woodall, Therza Hearn (Univ.) B.S. 1923, University of Oklahoma A.M. 1928, Columbia University	D.C.	Wright, Wesley Arnold (Univ.) B.S. 1926, United States Naval Academy	D.C.
Woodard, James M., Jr. (Univ.)	D.C.	†Wrightson, Priscilla Ann (Jun. 20½)	Md.
Woodcock, Mildred Lorine (Univ.)	D.C.	Wyatt, Laura Belle (Jun. 20)	D.C.
Wooden, Eugene Jourdan (Univ.) A.B. 1937, A.M. 1939, The George Washington University	Ill.	Wyatt, Thomas Frederic (Univ.)	Md.
Woodley, Frederick William (Law II)	D.C.	Wyche, Richard Thomas (Law I) A.B. 1928, University of Oklahoma	Okla.
†Woods, Edna Louise (Univ.)	Mo.	Wyckman, Ethel Elizabeth (Jun. 39)	Iowa
Woods, Edwin Kirby (Law III) B.S. 1930, University of California	Va.	†Wyckman, Ruth (Univ.)	Idaho
		Wydra, Mariam (Ed. 99)	N.Y.
		Wydro, John William (Jun. 11)	Ohio
		†Wyman, Henry Dibble (Jun.)	S.C.



*Wyner, Henry Dean (Col., A.M.) A.B. 1939, Harvard University	Mass.		
†Wyvell, Conrad Blair (Univ.)	D.C.		
Wyvell, Marion Robertson (Jun. 38)	N.Y.		
Y			
*Yaden, Audrey Virginia (Col., A.M.) A.B. 1938, The George Washington University	Ky.		
Yager, Ruth Jean (Jun.)	D.C.		
Yalom, Isador David (Jun. 34)	D.C.		
Yancey, Charles F. (Jun.)	Mo.		
Yanovsky, Esther (Law I) A.B. 1939, The George Washington University	N.Y.		
Yarnall, Philip (Govt. 124)	D.C.		
†Yasney, Esther (Jun.)	D.C.		
Yates, Wilfrid Austin (Col., Und.) A.B. 1938, Mount St. Mary's College	Md.		
Yeagle, Charles Allen (Univ.)	Calif.		
Yeh, Hsia Ti (Govt., A.M.: Univ.)	D.C.		
A.B. 1930, Kwang Hua University			
Yelmgren, Alden Emil (Col. 84)	D.C.		
Yesulaitis, John Francis (Univ.)	D.C.		
*Yost, Clyde William (Col. 130)	Nebr.		
Yost, Vivian Marie (Univ.)	S. Dak.		
Yockelson, Bernard Alvin (Govt., A.M.) B.S. 1939, University of Maryland	D.C.		
Yoder, Margaret Louise (Univ.) A.B. 1937, DePauw University	Ind.		
A.M. 1938, Gallaudet College			
†York, Jack (Jun.)	Ill.		
Yost, Charles Francis (Jun. 6)	D.C.		
†Yost, Elsie May (Univ.) A.B. 1934, A.M. 1932, The George Washington University	D.C.		
†Yost, K. Elizabeth (Univ.) B.S. 1939, Wilson Teachers College	Md.		
Yost, Paul Nace (Col. 75)	Pa.		
Youndt, Luke Binkley (Med. IV)	Pa.		
B.S. 1936, Franklin and Marshall College			
Young, Agatha Ann Conway (Col. 73)	D.C.		
†Young, Anne S. (Jun. 1375)	D.C.		
Young, George Stanley (Jun. 18)	Mo.		
†Young, Marian (Law I) A.B. 1937, University of California	Calif.		
Young, Maude Elizabeth (Col., A.M.) B.S. 1938, The George Washington University	Wis.		
†Young, Paul (Univ.)	D.C.		
Young, Paul Roscoe (Jun. 22)	N.Y.		
Young, Philip Myles (Col. 94)	Pa.		
Young, Priscilla Dana (Jun. 12)	N.H.		
Young, R. Herndon, Jr. (Law I) A.B. 1938, College of Idaho	Idaho		
Young, William Buford (Jun. 42)	Okla.		
Youngblood, Fred Ruthven (Govt. 89)	Ga.		
Youngblood, William Edwin (Jun. 12)	Tex.		
Younger, Edward Eugene (Grad., Ph.D.) A.B. 1933, Arkansas State Teachers College	Okla.		
A.M. 1938, Oklahoma Agricultural and Mechanical College			
Yu, Kien Wen (Univ.)	D.C.		
Yu, Virginia (Univ.)	D.C.		
†Yurman, Milton J. (Govt., A.M.) A.B. 1937, New York University	N.Y.		
Z			
†Zabriskie, George Olin (Jun. 1934)			Utah
Zajac, Henry (Univ.)			Mich.
Zalkind, Albert Mitchell (Law II) B.S. in M.E. 1934, College of the City of New York			D.C.
Zappala, Anthony (Med. II)			D.C.
Zappas, George Peter (Univ.)			N.C.
†Zark, Samuel Charles (Univ.)			N.J.
†Zearing, Ruth Alberta (Jun. 12)			D.C.
Zelaska, Ralph Rudolph (Ed. 104)			Pa.
Zeller, William Webb (Jun. 12)			D.C.
Zellis, Allan (Med. III) A.B. 1937, LaSalle College			Pa.
Zellmer, Daniel Edward (Govt. 70)			Md.
Zepp, Winchester Hammond (Eng. 62)			D.C.
Zepul, Constantine (Law III)			Ill.
Zerwick, Alice M. (Univ.)			D.C.
B.S. 1927, New York University			
A.M. 1931, Columbia University			N.Y.
†Zetler, Bernard D. (Eng. Und.)			
A.B. 1936, Brooklyn College			D.C.
Zevin, Abraham J. (Jun. 20)			Ill.
Zichterman, Harry William (Jun. 54)			Va.
†Ziegler, Eleanor Bayley (Univ.) B.S. 1935, Madison College			Mass.
†Zilinsky, Anthony Francis (Univ.)			N.Y.
†Ziman, Beatrice Eugenie (Univ.) A.B. 1932, Smith College			N.Y.
Ziman, Edmund Allan (Med. IV) B.S. 1936, The George Washington University			D.C.
Zimmerman, Horace Robert (Jun. 3)			Kans.
†Zimmerman, Julian Harris (Univ.)			D.C.
Zimmerman, Lorenz Eugene (Jun.)			
Zimmerman, Raymond Marvin (Eng. 44)			Okla.
Zimmerman, William III (Univ.)			Va.
Zingaro, Fulvio Tulio (Jun. 42)			N.Y.
†Zink, Mary Shirley (Jun.)			D.C.
Zinn, Dean Surguy (Law I)			N.Mex.
Ziobro, Stanley Robert (Jun. 28)			N.J.
†Zipperstein, Irving Jerome (Jun.)			Va.
Zipser, Isidore (Col. 92)			N.Y.
Zirkle, Alvira Douglass (Jun.)			D.C.
Zirpel, Ellen Elizabeth (Col. 104)			D.C.
Zirpel, Paula (Jun. 32)			Va.
†Ziskind, Sylvia (Univ.) A.B. 1930, A.M. 1937, University of California			N.Y.
Zitver, Leon (Law I) B.S. 1935, College of the City of New York			D.C.
Zola, Ida Mary (Jun.)			N.Y.
Zorn, Ralph Max (Univ.)			Pa.
Zubrecky, Joseph (Jun. 48)			Pa.
Zubrecky, Stephen John (Univ.: Jun. 39)			N.Y.
†Zucker, Isidore (Col. 65)			D.C.
Zuckerman, Marion Gertrude (Jun. 0)			Conn.
†Zuk, Theodore Joseph (Eng.)			D.C.
Zukerman, Saul (Med. IV) A.B. 1937, The George Washington University			Pa.
Zunic, Matt (Jun. 26)			D.C.
†Zweig, Tunter (Jun.)			Del.
Zwolak, Margaret Geagan (Univ.) A.B. 1920, Trinity College			Wis.
Zylman, Jacob Dert (Med. III) A.B. 1939, The George Washington University			

## 1939

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Barr, Dorothy Lillian	D.C.	Bevins, Roswell Morton	Vt.
Barr, Earl Willfred	Mo.	Bichy, Charles Edward, Jr.	Md.
Barrrett, William Waldo	Utah	B.S. 1935, University of Pennsylvania	D.C.
Barrick, Helen Frances	Mo.	Binder, Irving Myer	Utah
B.S. 1937, Central Missouri State		Bingham, Marion D.	Md.
Teachers College		Bish, Charles Edward	
Bartelt, Betty Jane	D.C.	A.B. 1925, Western Maryland Col-	
Barth, Benjamin	N.Mex.	lege	
Barton, Eleanor Browning	D.C.	A.M. 1936, The George Washington	
Batson, Floretta Gibson	D.C.	University	
A.B. 1930, Northwestern University		Bishop, George Edward	Mass.
Bass, Mary Etta	D.C.	Bishop, Morris Comstock	Tenn.
A.B. 1906, Goucher College		Bjostrom, James Arthur	Idaho
A.M. 1917, University of Chicago		Black, Irene Elizabeth	D.C.
Bass, Nellie Hall	D.C.	Blackburn, Ardis	Mo.
A.B. 1911, Goucher College		Blackney, William Wallace	Mich.
Bates, Betty	D.C.	Blackwelder, Betsy	D.C.
Bates, Lays	D.C.	Blankin, Bernard	Md.
Batson, Kenneth	Tex.	Blew, Genevieve Spence	
Baugh, Elizabeth	Ill.	A.B. 1944, American University	
Baya, Catherine	D.C.	A.M. 1916, University of Maryland	N.Y.
Bazan, Horace Buchanan	Ohio	Blocker, Philip	Va.
Beahm, Erma Cecelia	D.C.	Boehly, Henry William	D.C.
Beale, Edna Elizabeth	Va.	Boehme, Anne Elizabeth	D.C.
Beall, Harry Spurgeon	Md.	Bogan, Joseph B., Jr.	D.C.
A.B. 1913, Western Maryland Col-		Bomardy, Alexander	Okla.
lege		Boley, Morris V.	D.C.
Bean, Harry Palmer	Md.	Bonnett, Leo Victor	
Bean, Robert Nelson	Va.	A.B. 1917, University of Minnesota	N.J.
Beath, Paul Robert	Nebr.	Bosne, Elizabeth Hine	
A.B. 1928, University of Illinois		A.B. 1910, Sweet Briar College	Mass.
Beatty, Harry	D.C.	Boucher, Albert Leo	D.C.
Beck, James M.	Ga.	Bounous, Jenny	D.C.
Becker, Edmund	Ind.	Bour, Catherine L.	Md.
Beckerman, Lawrence	N.Y.	Bowie, Frank McKay	D.C.
A.B. 1934, Brooklyn College		Bowler, Jesse C.	Ga.
Bee, Max Culbertson	Nebr.	Boyd, Joseph James	Md.
A.B. 1931, Park College		Boyer, Susan Elizabeth	
Beebe, William Dow	Conn.	A.B. 1927, Western Maryland Col-	
Behrens, Arthur Hilstad	Wash.	lege	N.Y.
B.S. 1934, University of Washington		Bracht, Berend	
Bekker, Konrad	D.C.	B.S. 1916, Syracuse University	W.Va.
Ph.D. 1936, University of Basle		Bradford, Harold Keith	
Bell, Faith	Va.	A.B. 1921, West Virginia University	D.C.
Bell, George M.	Utah	Bradford, William Malcolm	D.C.
B.S. 1935, Utah State Agricultural		Bradley, Carl Lowrey	Pa.
College		Bradley, John Charles	D.C.
Bell, Hannah Perley	D.C.	Brant, Mildred G.	D.C.
A.B. 1938, The George Washington		Brannan, James Leo	D.C.
University		Brannon, Joseph Ralph	Ga.
Bell, Myrtle Campbell	D.C.	Brannon, Thurza J.	
A.B. 1939, A.M. 1935, The George		A.B. 1934, Emory University	D.C.
Washington University		Branscombe, Arthur Allison	Mo.
Belt, Charles Vernon	D.C.	Breckinridge, John	D.C.
Bendigo, Bruce Bressler	N.C.	Breed, Margaret	N.Y.
Bengtson, John Willard	Nebr.	Brennan, Owen Francis	Okla.
B.S. 1937, University of Nebraska		Brook, John Roy	Okla.
Benham, Ruth F.H.	Pa.	Bronson, Ruth M.	Pa.
Bennett, Winfield DeWitt	D.C.	A.B. 1925, Mount Holyoke College	Utah
A.B. 1935, A.M. 1935, The George		Brooks, Janet Marjorie	Mo.
Washington University		Brossard, H. Stratford	
Benton, Thelma	R.I.	Browdy, Alvin	Tex.
Berens, Robert James	Mass.	B.S. 1917, University of Illinois	
B.B.A. 1936, University of Minne-		Brown, Alberta	Md.
sota		A.B. 1931, Baylor College	
Berger, Nedwin Gerhard	D.C.	Brown, Elizabeth Kendrick	
B.S. 1933, University of Kansas		A.B. 1923, A.M. 1925, The George	P.R.
Bernard, Amelje Camille	La.	Washington University	Tex.
Bernard, Henri Joseph	Md.	Brown, Henri, Jr.	
Berndt, Leo	Okla.	Brown, L. Kathryn	
Beronio, Peter A.	N.J.	A.B. 1935, West Texas State Teach-	D.C.
Betsch, Carl Arthur	Ohio	ers College	
B.S. 1935, Miami Jacobs College		Brown, William Lewis	



# Students Registered

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Brownstein, Jacob Norman	N.Y.	Carney, Ethel Lamb	D.C.
Bruce, Betty Dunlevy	D.C.	A.B. 1930, The George Washington University	
Bruce, Delbert H.	S.Dak.	A.M. 1935, Columbia University	Conn.
Brunner, Herbert Anthony	D.C.	Carney, Marabeth Ann	W.Va.
Brunner, Ruth Hinkle	W.Va.	Carringer, Julius Milo	D.C.
Buchan, George Thomas	N.C.	A.B. 1912, West Virginia University	Fla.
Bucholz, Donald	D.C.	Carrodus, Robert Joseph	Pa.
Buckles, Lawrence C.	Pa.	Carroll, Charles L.	
B.S. 1938, Lehigh University		A.B. 1918, University of Florida	
Buckner, Melvin D.	D.C.	Carroll, Charles Louis	
Buddington, Arthur R.	Md.	B.Arch. 1932, University of Pennsylvania	
B.S. 1936, M.S. 1939, University of Maryland		Carroll, Frances Cecilia	D.C.
Bugay, Paul Edouard	Pa.	Carroll, Katherine Letitia	D.C.
Bullamonte, Frances Nancy	Pa.	Carsen, Raymond Kit	Tenn.
Bunch, Mary Louise	Va.	Casta, Triest	Conn.
Hunnag, Tula	Siam	Catten, Leo A.	Mass.
Burch, Bette	D.C.	B.S. 1914, Massachusetts Institute of Technology	
Burch, Jacob	D.C.	Carter, George Washington	D.C.
Burch, Marjorie	D.C.	Carter, Grace Carolyn	D.C.
Burdette, Eleanor Mary	D.C.	A.B. 1925, Mount Holyoke College	
Burge, Louise Irene	D.C.	A.M. 1918, Middlebury College	Va.
A.B. 1934, The George Washington University		Carter, Henry	
Burke, James Paul	Minn.	A.B. 1917, A.M. 1920, Yale University	
Burke, John P.	Mont.	Cary, Winona Elsie	W.Va.
Burke, Martin Leonard	N.C.	B.S. 1922, Madison College	
Burnett, Waldo Emerson	Va.	Casil, Carroll Clayton	Calif.
Burns, Regina Adels	D.C.	B.S. 1927, The George Washington University	
Burrow, James B.	D.C.	Castleman, Edward	D.C.
Burt, Barbara B.	Ala.	Castro, David Alejandro	D.C.
Burton, Earl Everett	D.C.	Catudal, Honore Marcel	Kans.
Busch, Margaret Temple	N.H.	A.B. 1922, St. Mary's College	
A.B. 1935, The George Washington University		A.M. 1924, Catholic University of America	
Buschman, A. William		Chalk, James W.	Va.
Bushman, Vernon Louis	N.J.	Chamberlin, Elizabeth Gibbons	D.C.
A.B. 1933, The George Washington University	D.C.	A.B. 1925, Emma College	
Buswell, Arthur James	Ohio	B.S.I. 1916, New York State Teachers College	
A.B. 1935, Ohio Wesleyan College		Champlin, Dale Wesley	Pa.
LL.B. 1938, University of Michigan		Chandlee, Courtland Ellis	Fla.
Butterfield, Ward Cummins	D.C.	Chantry, Carolyn Carol	D.C.
Butterworth, Robert	D.C.	A.B. 1915, Vassar College	
Byars, Helen-Marie	D.C.	Chapline, Allen Wheeler	D.C.
Byrne, Frank Robert	D.C.	Chapman, David Graham	Ga.
Ph.B. 1926, Creighton University		Chapman, J. Kenneth	Miss.
		A.B. 1924, Alabama University	
Cada, Joseph James	Ill.	Charles, Robert Milton	D.C.
Cape, Edwin Menton	Tex.	Charlton, Bealward S., Jr.	Va.
A.B. 1938, The George Washington University		Charno, George H.	Mo.
Cahn, Raphael David	D.C.	A.B. 1928, University of Kansas City	
Caldwell, Cloyd T.	Pa.	Chase, Elizabeth Love	D.C.
B.S. 1925, University of Illinois		A.B. 1918, University of Richmond	
Callender, Janet	D.C.	Chase, ff, Abraham	N.Y.
Camp, Benjamin Jesse	Pa.	Clavez, Lincoln Joseph	D.C.
A.B. 1934, University of Georgia		Chew, Aubrey	D.C.
Cameron, Mildred Evelyn	Md.	Chew, Thomas Gordon	Ind.
B.S. 1933, Wilson Teachers College		Cheyney, Roland	Pa.
Campbell, Elizabeth Janet	D.C.	Chiar, Carlos Alberto	Panama
Campbell, Lorene	Ark.	Chiles, Ben F.	Tenn.
Campbell, Roy D., Jr.	Ark.	Christoferson, Herbert Carl	Ill.
A.B. 1936, The George Washington University		Christopher, Maxwell G.	D.C.
Capp, John Walter	N.J.	Churchill, Morton Vincent	D.C.
Carbaugh, Eula B.	Va.	Clayett, Helen L.	Va.
Carey, Harold Vincent	Conn.	A.B. 1928, University of Puerto Rico	
Carlson, David Jenington	N.Y.	Clark, Charles Fulton	Tex.
Carnahan, Robert G.	D.C.	Clark, Harold Glen	Ariz.
		M.S. 1934, University of Southern California	



# Students Registered

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Dennis, Alfred Pearce	D.C.	Dyer, Joseph Charles	Tex.
Denny, Ethel M.	D.C.	Dyer, M. Russell	D.C.
Depina, Lewis Fisher	Mass.		
Ph B. 1931, College of the Holy Cross		E	
Dermody, Woodrow Grimes	D.C.	Eastham, Edwin Marion	Va.
Derr, George Lewis	Pa.	Eaton, Paul Russell	Ariz.
Derrick, Duane Greenwood	D.C.	A.B. 1938, University of Arizona	
Derrick, William Shelton	D.C.	Eborn, Olive Claire	D.C.
DeStefano, Joseph Henry	D.C.	A.B. 1921, Salem College	
Dewey, Allen Leonard	Iowa	Fliese, Scott	D.C.
Dewey, Ruth Ellen	D.C.	Eckerle, Richard	Ky.
Dickerman, Jane	Conn.	Edly, Daniel Blakeman	Conn.
Dickson, Olive Brewer	Fla.	A.B. 1931, Cornell University	
A.B. 1934, Rollins College		Edison, Gertrude Mary	D.C.
DiGulian, Corinna Marie	D.C.	Edwards, James B., Jr.	D.C.
B.S. 1913, Wilson Teachers College		Edwards, Benjamin Franklin	D.C.
Dillin, Billy Neal	Tex.	Edwards, Carleton Ula II	D.C.
A.B. 1915, Daniel Baker College		A.B. 1928, The George Washington	
A.M. 1917, University of Texas		University	
Dillon, Thelma	W Va.	Edwards, Lloyd Lobley Grant	D.C.
Dinges, Harold R., Jr.	Va.	Eicher, Elizabeth	Iowa
B.S. 1918, College of William and Mary		A.B. 1938, Parsons College	
Dinpus, Wallace Eliot	Tenn.	Eisenhart, Charles H.	Ohio
Dinsmore, John D.	Tenn.	B.S. 1929, Ohio State University	
LL.B. 1920, University of Alabama		LL.B. 1939, The George Washington	
Disler, Oscar Charles	Pa.	University	
Dixon, Ballard Fulton, Jr.	Va.	Eisenhauer, May K.	D.C.
Dabbyn, Rose Ellen	D.C.	A.B. 1932, University of Chicago	
Dadd, James Wallace	Tex.	Eldridge, Frank Reed	Md
Darr, Paul Lancel	Md.	Ellis, Albert Jackson	Va.
A.B. 1928, University of Maryland		Ellis, Anne Monte	Miss.
Dm, Jesse Roy	Md.	Ellis, Anne Perkins	Ala.
Dunahoe, Frank T.	D.C.	A.B. 1926, Goucher College	
Dunahoe, Alice M.	Md.	Ellis, Ruth J.	Md.
Dunne, Edward Hunter, Jr.	D.C.	Elser, Myra Elizabeth	Va.
Dunne, James Francis	Md.	A.B. 1921, University of Richmond	
Dunne, Leonard Winford	Md.	Elmore, Ethel	D.C.
B.S. in C.E. 1917, Tufts College		Elmore, Fagna Rose	D.C.
Doelan, Robert J.	Wis.	Emanuel, Vernon Carolyn	Iowa
A.B. 1920, The George Washington		A.B. 1932, State University of Iowa	
University		Emmons, George Albert, Jr.	D.C.
Dorfman, Sidney A.	D.C.	Emory, Clarence Windsor	D.C.
Dorris, Earl Nelson	Utah	Emp, Edna Margaret	Oreg.
Dorsett, Harold Lee	D.C.	Emshwiler, John Patterson, Jr.	Ind.
Dodge, Mildred Marguerite	Va.	Endres, Charlotte Marie	D.C.
Dougherty, Robert Emmett	Md.	English, John Jarvis	D.C.
Doxey, Roy Watkins	Utah	English, Thomas Young	Tenn.
A.B. 1918, The George Washington		Epstein, Ralph	D.C.
University		Erera, Monty	D.C.
Dow, Neal, Jr.	D.C.	Ervin, Harold Welch	D.C.
Dawkins, Joseph French	S Dak.	Ervin, Herbert Clarence	Miss.
A.B. 1918, Yankton College		A.B. 1935, John Brown University	
Drake, Madeleine	Va.	Estepinal, John Albert	D.C.
Drayton, Charles DeVere, Jr.	Va.	Esworthy, Vincent J.	Ill.
Drummer, Saul E.	N Y.	Evans, John Millard	D.C.
Druse, Katharine	Iowa	Evans, Richard Castleman	D.C.
A.M. 1928, Columbia University		B.S. 1934, The George Washington	
Dubber, Bessie Patrick	D.C.	University	
Ph B. 1910, Colorado State Teach-		Everett, Grover Woodrow	Va.
ers College		B.S. 1935, University of Virginia	
A.B. 1914, Indiana University			
Duff, Mary Cosette	Va.	F	
Dugan, Ruby Fern	Okla.	Falkenburg, Gordon	Mich.
Dunbar, Anne Cameron	D.C.	Farbach, Carl F.	N.Y.
Dunbar, Mary Elizabeth	Mo.	A.B. 1923, LL.B. 1926, S.J.D. 1930,	
B.S. in Ed. 1910, Central Missouri		Harvard University	
Teachers College		Farha, Sammy M.	Okla.
Duncan, Clyde Emerson II	Wyo.	Farmer, Warren	Nebr.
Duncan, Hugh Scott	D.C.	Faurot, James Edwin	Calif.
Durance, Thomas Drake	N.Y.	Feer, Ella	D.C.
Durst, Barbara Alice	Calif.	Feild, Talbot, Jr.	Ark.
Devachek, Harold Edmund	Ark.		
Dyck, Homer Davis	Kans.		



Felt, Mark A.B. 1935, University of Idaho	Idaho	Frost, Jean Marie Fugitt, Charles Hunt	D.C. D.C.
Feltz, Edwin Lester	N.Mex.	Fuller, Russell Harrison	D.C.
Fenderson, Allison Prentice	D.C.	B.S. in C.E. 1934, Oregon Institute of Technology	France
Fenton, Richard Lee	D.C.	Fulton, Charles Edward Spencer	
Ferguson, Earl E.	Iowa	Ph.B., B.S. 1934, B.L. 1937, Univer- sity of Paris	
Ferguson, Robert E. A.B. 1919, The George Washington University	Va.		
Ferguson, Thomas C.	Md.	G	
F.E.M. 1930, Harvard University		Galler, William	Ill.
Fess, Robert	N.Y.	Gallion, Laura Carroll	D.C.
Feuer, Theodore Albert	Mo.	Galperin, Boris M.	Md.
B.S., M.S. 1929, Washington University		B.S. in E.E. 1935, Drexel Institute	Tenn.
Feuerstein, Benjamin	N.Y.	Gamble, Frederick	Va.
B.S. 1945, Brooklyn College		Gammon, William Howard	N.J.
Ficklen, Imogen Stuart	D.C.	Gardner, S. Harrison	Ky.
Fields, June Mankin	Va.	Gardner, Caspar	Calif.
Finerty, Jane Lowe	D.C.	Garlock, Robert Gordon	Md.
Firth, William Ellsworth	Md.	Gartside, Frances Morris	Calif.
Fishbein, Gershon William	D.C.	Gasser, Robert Louis	
Fisher, Janet Blanche	D.C.	A.B. 1938, University of Denver	Ind.
Fisher, Jerome L.	D.C.	Gaston, Leslie Homer	
Fitch, Harry L.	D.C.	B.S. in C.E. 1929, Purdue University	
Fitz, Geraldine M.	Md.	M.S. in C.E. 1932, University of Michigan	Pa.
A.B. 1929, Washington College		Gastrock, Charles Clarence	N.J.
Fitzgerald, Jeremiah Aloysius	Conn.	Greenok, Morris	
A.B. 1917, Middlebury College		A.B. 1921, Duke University	Idaho
Fitzpatrick, John R.	D.C.	Gee, Merrill K.	Ohio
Flaniken, Robbie Hutchings	Tex.	Gehan, Kathryn Yvonne	Va.
B.S. 1914, University of Texas		Geran, Robert Kinney	D.C.
Fleming, Nancy	D.C.	Gerber, Sylvain	Wis.
Fletcher, Jane Delight	D.C.	German, Chadwick Ambrose	
Flood, C. H. B.	D.C.	Gerrits, John Robert	D.C.
A.B. 1919, The George Washington University		A.B. 1921, Lawrence University	D.C.
Floyd, Eleanor	Fla.	Gerson, Leon	D.C.
Flood, Julian J.	Ga.	Gerstein, Charles	D.C.
Flynt, John James	Ga.	Gerstein, Lillian	D.C.
A.B. 1916, University of Georgia		Gertler, Morton	D.C.
Folk, Charles Herr	D.C.	Gewehr, Hamilton Dodd	N.Y.
Folsom, Laurie McKay	Cuba	Giarratano, Salvatore F.	D.C.
A.B. 1924, University of Washington		Gibbs, Robert G.	Calif.
Fondiller, Abraham	N.Y.	A.B. 1918, Clark University	
Ford, Byron I.	Idaho	Gibeau, Charles John	D.C.
Foster, Jerome S.	Ill.	B.S. 1912, University of California	
Foster, Robert Ulline	D.C.	Giberman, John William	D.C.
Fox, Helen	N.Y.	M.S. 1934, Connecticut State College	
A.B. 1917, A.M. 1919, The George Washington University		Gibson, Amy T.	
Fox, Melvin James	D.C.	A.B. 1920, University of Louisville	D.C.
Francisco, Wellington	N.J.	A.M. 1932, University of Kentucky	N.C.
A.B. 1920, Rutgers University		Gifford, John Fergus	D.C.
Frank, Paul A.	Ky.	Gilbert, R. U.	Wash.
B.S. in E.E. 1932, University of Louisville		Giles, Edward	
Franklin, Beatrice Browne	Va.	Gilkey, Earle W.	
Fraser, Wilton McLean	D.C.	A.B. 1938, The George Washington University	D.C.
Frederick, Edward W.	D.C.	Gill, Flora	D.C.
E.E. 1930, Rensselaer Polytechnic Institute		Gillis, Georgina G.	Ark.
Freeman, Mary Eleanor	D.C.	Gilman, Charles Sherrill	D.C.
Freifeld, Hymen	N.J.	Giltner, Bernard Lee	D.C.
B.S.S. 1931, College of the City of New York		Gingras, Angele Marie	Ky.
French, Sadie Elizabeth	Va.	Gingrich, Albert Edward	
A.B. 1921, Carson-Newman College		A.B. 1920, Ohio Wesleyan College	Wash.
Friedman, Julian Richard	N.Y.	B.S.T. 1932, Boston University	Del.
Friedman, Leo	N.Y.	Girgich, Ivan Joseph	Tex.
Frimman, Florian Louis	D.C.	Glackin, Joseph Edward	
Frisby, Roy F.	D.C.	B.S. 1930, Washington College	Mass.
B.S. in M.E. 1920, Colorado Agricultural College		Glass, Carson M.	
		LL.B. 1938, University of Texas	
		Glassman, Lawrence	
		B.S. 1928, M.S. 1929, Massachusetts Institute of Technology	

Students Registered

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Glazer, Guilford H.				
Gleason, Stephen Bernard	Tenn.	Guinn, Gladys Elizabeth		Va.
Gleech, Lewis Edward	D.C.	A.B. 1917, The George Washington		
A.B. 1935, Pomona College	D.C.	University		
Gleech, Marguerite Offinger	D.C.	Gulbrandson, Don		D.C.
Glogovac, Dorothy Milo	Calif.		H	
Goetz, Josephine R.	Wis.			
A.B. 1931, Rosary College				
Goff, John Clifford	N.J.	Hadley, William Hiram		N.Y.
Goff, Nancy A.	Va.	B.S. 1931, University of Washington		
Gohsen, Howard Warren	D.C.	M.B.A. 1936, Harvard University		Ohio
Goins, Mary Alice	N.C.	Haeefe, Donald James		
A.M. 1933, University of Michigan		B.S. in Eng. 1933, University of		
Goldberg, Monroe Bernard	D.C.	Michigan		
B.S. 1918, Wilson Teachers College		M.S. 1934, Case School of Applied		
Goldblatt, Hyman	D.C.	Sciences		
Guldstein, Joseph A.	D.C.	Hageria, Loren Henry		Iowa
L.L.B. 1919, The George Washington	D.C.	B.Arch. 1928, Washington University		
University		Hahn, Elizabeth Regina		D.C.
Goldstein, Samuel	N.Y.	Hahn, William		D.C.
Goodman, M. Harold	Ill.	Hake, David L.		Colo.
Goodykoontz, William F.	W.Va.	B.S. 1935, University of Colorado		
A.B. 1936, The George Washington		Hale, Teresa V.		D.C.
University		Hall, Carolyn Sara		Ill.
Gordon, David Stuart	D.C.	Hall, Clare Wilson		Ill.
Gordon, Herman Lewis	N.Y.	Hall, Fred Hubert		Ga.
B.S. in Eng. 1931, College of the		Hall, Grace Cloughton		Va.
City of New York		A.B. 1933, The George Washington		
Goslin, Finley H.	Okla.	University		
A.B. 1936, Phillips University		Hall, Ross Campbell		Ga.
Gould, Bernard Albert	N.J.	Hamberger, Minnie Jay		Md.
B.C.S. 1936, New York University		Hamilton, Helen Lois		D.C.
Govel, Samuel Clark	Mo.	Hamburger, Margaret S.		D.C.
Gozi, Ariosto	D.C.	Hamilton, Martha Louise		N.Y.
Grabowski, Edwin F.	Ill.	Hamilton, Mary Janet		Ind.
Graham, Ruth Cecelia	Md.	A.B. 1938, Indiana University		
Gray, Walter Page	D.C.	Hamm, Charles		Mass.
Grbovac, Stanley Joseph	Calif.	Hammond, George Edwin		N.Y.
A.B. 1939, The George Washington		Hammond, Julian B.		S.C.
University		Hammond, William E. J.		Md.
Greco, Philip T.	N.Y.	Hansen, John Gregory		Ohio
Green, Earl	Mo.	Handwerk, Mary Anna King		D.C.
B.S. in Eng. 1929, University of		Handy, Walter, Jr.		Va.
Missouri		Hankins, Orville Gerber		D.C.
Green, Elizabeth Ann	N.Y.	B.S. 1914, University of Illinois		
Green, Manly Robertson	Calif.	Hanna, George Edward		Kans.
Green, Nathan	D.C.	Hannay, Agnes		D.C.
Green, Wade	D.C.	A.B. 1930, Bryn Mawr College		
Green, William Stevenson	Pa.	Hansem, Fred Robert		Maine
A.B. 1911, A.M. 1932, Pennsylvania		Hansen, Carl		D.C.
State College		Handester, John Sylvester, Jr.		D.C.
Greene, Samuel N.	N.Y.	Hardis, Leonard		N.Y.
Greenwald, William J.	Pa.	B.S. in M.E. 1938, Carnegie Institute		
Greer, Dan Blake	N.J.	of Technology		
Gresham, Mary E.	Tenn.	Hards, Lawrence		D.C.
Griffin, Harold John	Tenn.	Harness, Charles Leonard		Tex.
Griffin, Richard Philip	N.Y.	Harris, Jerome Joseph		D.C.
Griffith, Kelley E.	Iowa	A.B. 1936, The George Washington		
Grigsby, James R.	D.C.	University		
Gruwald, Estelle Trebert	Ky.	Harris, Louise		Okla.
Grodsky, Ben	D.C.	Harris, Robert Bowers		D.C.
Ph.B. 1939, University of	D.C.	Harrison, Joseph Owens		D.C.
Chicago	Ill.	Harrison, Junius Henry		Va.
Grogan, Charles H.	Va.	Harrison, Lloyd Bratton		D.C.
Grunwell, Charles	D.C.	Harrison, William Hollis		Ark.
Grud, Elizabeth Franklin	Va.	Hartman, William Sullivan		D.C.
Guilfoyle, J. D.	D.C.	Haskell, Benjamin Paul		D.C.
A.B. 1938, University of Kansas		Haskell, George Brownfield		D.C.
City		Haskin, Nagel		Md.
Guillen, Guillermo	D.C.	Haskell, Frank S.		N.C.
		Hasselvander, Mary		D.C.
		A.B. 1935, Lynchburg College		
		Hatton, Charles Augustus		Kans.

Haubner, John Wesley B.S. in Eng. 1934, Princeton University	Va.	Hiscox, Nell Fremont A.B. 1916, The George Washington University	D.C.
Hawthorne, Maxie Fannie	Utah	Hissey, James Wilson	D.C.
Haycraft, Glenn Goodwin	Minn.	Hixson, George Samuel	D.C.
Hayden, Byron R.	Oreg.	Hoage, Alden Wayne	D.C.
Haydon, Mildred Preston	Md.	LL.B. 1932, The George Washington University	
Haynes, Chester St. George	D.C.	A.B. 1918, University of Maryland	D.C.
Haynes, John Leunice B.S. in C.E. 1940, The George Washington University	D.C.	Hobbs, Elizabeth Jarboe	D.C.
Hays, Jack Newton A.B. 1918, University of Tulsa	Okla.	Hobbs, Robert Bond	
Hayward, J. Paul	Maine	A.B. 1935, The George Washington University	D.C.
Hazard, John Russell	D.C.	Hobby, Sam Earle	
Heard, James Felton	N.C.	A.B. 1930, University of North Carolina	
Heal, Delight	D.C.	Hodrick, Nicholas	D.C.
Healy, Arthur	Conn.	Hoge, Charles Courtenay II	SC
Healy, Ernest Alfred A.B. 1915, The George Washington University	Va.	Holbrook, Edna Fay	Md.
Hecht, Arthur	Wis.	Holbrook, Mary Louise	Md.
Heer, Robert Renwick A.B. 1915, University of Illinois	Ill.	Holcombe, Marshall Maynard B.S. 1936, Massachusetts Institute of Technology	D.C.
Heers, William Henry A.B. 1910, Whitman College	Wash.	Holland, Teresa Marie	D.C.
A.B. in L.S. 1917, The George Washington University		Hollingsworth, Samuel S.	D.C.
Heffron, Harold Stephen	D.C.	Holman, Margaret Anna	N.Y.
Hegg, Freda	Mo.	Hollway, O. Willard A.B. in L.S. 1930, The George Washington University	
Hemburger, Ray Adelbert	Iowa	Holloway, William Andrew	Okla.
Helm, James C.	D.C.	Holmes, Wendell A.	
Helm, John David	D.C.	A.B. 1918, University of Iowa	Ill.
Hemba, Alton	Miss.	Holmquist, Laura Maria	D.C.
Henderson, Roy Burge	D.C.	Holmer, Melvin Charles	Va.
Hennison, Frank Burrows	N.J.	Hood, John Herbert	Pa.
Henry, George Robert	Ind.	Hosker, John S. B.S. 1932, University of Pennsylvania	Md.
Henry, Helen Mary	Pa.	Hoover, Earl D.	D.C.
Herath, Albert Thomas A.B. 1928, Capital University	Ohio	Hoover, G. W. Jr.	D.C.
Hernandez, Francis Lewis	Ill.	Hoover, Paulina Hood	Md.
Herrmann, Luther H. B.S. 1933, Temple University	Pa.	Hope, Clifton A.B. 1927, Washington College	Kans.
Hest, George Louis	Pa.	Hopkins, William Jesse	Md.
Hess, Lucile Mary A.B. 1924, University of Minnesota	Minn.	Hopper, Kathryn Rebecca	D.C.
A.M. 1918, The George Washington University		Hopper, Natalie Jane	N. Dak.
Herzenberg, Gabriel William B.M.E. 1929, Friedrichs Polytechnic Koenigs, Germany	D.C.	Horton, Hugh Byron	N.Y.
Herzenberg, Tuba Schloss	D.C.	Hosley, Richard E. M.E. 1934, Cornell University	D.C.
Hesselt, Julia P.	Tenn.	Hosfield, Anna Kennedy A.B. 1926, The George Washington University	Ala.
Hewitt, Russell James	Wn.	Hosk, Jack Howard	N.Y.
Hick, Dorothy Anna	Kans.	Houlahan, Charles William	N.Y.
Hicks, Rowland Hunter	Va.	Houlahan, Mary Bowman	D.C.
Hicks, Susan C. B.S. 1927, University of Pittsburgh	Pa.	Housley, Clinton William	D.C.
Hicks, Wellington Guy B.S. 1927, Virginia Polytechnic Institute	Va.	Houston, Clara Karl A.B. 1932, The George Washington University	D.C.
Hickson, Robbins Godfrey	S.C.	Howard, I. Ray	N. Mex.
Hider, Bert Franklin	Ky.	Howard, Joseph Theo A.B. 1929, The George Washington University	Miss.
Higgin, Elmer Richards	D.C.	Howard, Wellington Rodney	D.C.
Hill, Gretchen	Md.	Howe, Mary Agnes	Ill.
Hill, Mary Richards	D.C.	Howe, Stanley M.	D.C.
Hill, Russell Francis B.F.A. 1915, Yale University	Conn.	Howell, Frank Scott	Ohio
Hiltz, Robert Myron B.S. 1917, Wilson Teachers College	D.C.	Huden, Melvin A.B. 1915, University of Dayton	Calif.
Homan, Georgina Martin	D.C.	Hudson, Harold Wendell	Va.
Hinton, Anna Lee	Va.	Hudson, Joseph Randolph	N.Y.
		Huggins, Geraldine Mildred	



Students Registered

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Hultin, Clifford Thomas B.S. 1932, M.S. 1934. University of Minnesota	Va.	John, Ethel Marie Johnson, A. Marguerite B.S. 1938, Iowa State College	D.C. Iowa
Humphrey, Frances Estello A.B. 1937, The George Washington University	S.Dak.	Johnson, Catherine Marie Johnson, Darrell S. A.B. 1935, The George Washington University	Minn. D.C.
Humphrey, John Julian B.S. 1938, State Teachers College, Buffalo	N.Y.	Johnson, Elizabeth Druen A.B. 1931, Mary Baldwin College	D.C.
M.S. 1939, St. Bonaventure's College		Johnson, Everett A.	Ill.
Hung, Ching Chong A.B. 1927, San Diego State College	D.C.	Johnson, Irene Elizabeth Johnson, James LeRoy A.B. 1938, University of South Carolina	Pa. S.C.
A.M. 1929, Columbia University		Johnson, Lloyd N. B.S. 1935, Utah State Agricultural College	Utah
Hunt, C. Howard	Mich.	Johnson, Margaret Coleman	Tenn.
Hunt, Louise Hart	Va.	Johnson, Richard Mercer	Md.
Hunter, Caroline M.	Ga.	Johnson, Rose-Emily	Wyo.
Huntzberger, Lee I. B.S. 1936, The George Washington University	D.C.	Johnson, Sidney Arthur B.Chem. 1933, Chem.E. 1934, Cor- nell University	N.Y.
Hurley, Ann Cornelia	D.C.	Johnson, Theodora Lucia Johnson, James Lammont B.S. 1935, United States Naval Academy	D.C. Va.
Hurwitz, Abner	N.J.	Johnston, Joseph Edwin A.B. 1934, University of Dubuque	Utah
Husic, William John	Ohio	Johnston, Thomas Henry, Jr.	Va.
Hussey, William Brink	Md.	Jones, Betty Rebecca	D.C.
Huuten, Benjamin F.	R.I.	Jones, Ira King	Md.
Hutchison, James C.	Va.	Jones, Iva Lou B.S. 1934, Madison College	D.C.
Hutterly, William U., Jr.	D.C.	Jones, Nelson R.	D.C.
Hylton, Percy Hiram	Ill.	Jones, Robert Moses A.B. 1931, Princeton University	Pa.
Hyman, Abraham Robbins B.Arch. 1934, University of Penn- sylvania	Pa.	Jones, Walter Kiger Jones, William Paul Jones, Wilson C. A.B. 1930, University of Kentucky	Md. Md. Ky.
I		Jordan, Clarence R. Josephson, Bernard A.B. 1928, Columbia University	D.C. N.Y.
Ibanez, Jose T.	P.R.	Joss, Fred Crawford A.B. 1935, The George Washington University	Calif.
Intestine, Carmelo John	N.J.	Junkin, Virginia Wallace B.S. 1938, Beaver College	D.C.
Inman, Harry Curtis	D.C.	K	
Irahn, Ardeshir B., Jr.	D.C.	Kagen, Ethel W. A.B. 1930, The George Washington University	D.C.
Ireland, Otto Miller A.B. 1936, Doane College	D.C.	Kakalec, John Katchen, Arthur Peter Kansas, Pell Kandl, Norman Balfour Karl, William Clement B.S. 1931, University of Notre Dame A.M. 1934, New York University	Pa. D.C. Mich. D.C. Mich.
J		Katon, Dorothy Eck Kaufman, Juliette Kavalier, Frank James A.B. 1937, The George Washington University	Pa. Ill.
Jaastad, Margaret Thorbjorg	Minn.	Kearney, John Francis	Pa.
Jackson, John Francis A.B. 1934, Santa Barbara State Teachers College	Calif.	Kedan, Sylvia	D.C.
Jackson, Juanita L.	Mo.	Keshner, Anne Paxton	D.C.
Jackson, Marvin W.	Nev.	Korgan, Patricia M.	D.C.
Jackson, Thomas Avery B.S. 1931, Mississippi State Teachers College	Va.	Keenan, John Joseph	Conn.
Jacob, Roger F.	Ohio	Keim, Walter George	Pa.
Jacobs, Joseph Thomas	Pa.		
Jacobsen, Paul D. L.L.B. 1938, The George Washington University	Iowa		
Jacobson, James L.	D.C.		
Jacobson, Ralph G.	Nebr.		
Jaeger, Carol M. A.B. 1934, University of Dubuque	Iowa		
Jaeger, Henry William	D.C.		
Jahn, Patricia Dorothy	D.C.		
Jaster, Marion Charlotta	D.C.		
Jenkins, Ethel Bailey	Va.		
Jenkins, Ray L. A.B. 1934, Brigham Young Uni- versity	Utah		
Jennings, Richard A. A.B. 1938, Baylor University	Tex.		
Jesseup, Warren T. B.S. 1937, University of Southern California	D.C.		
Jetton, Clyde Loring	D.C.		

Kelley, Agnes Jane A.B. 1924, College of Notre Dame of Maryland	Md.	Knox, Letitia Moore Knutson, Geoffrey Beruen A.B. 1937, Yankton College	D.C. S.Dak.
Kelley, Josephine Ward	S.Dak.	Kohl, George John A.B. 1936, Canisius College	N.Y.
Kelley, William Joseph, Jr. Kemp, Mary B.S. 1936, University of Maryland	Ill. Md.	Kohlhaas, Vernon Connie A.B. 1938, University of Iowa	Iowa
Kemper, Edward C. A.B. 1937, The George Washington University	D.C.	Kolinsky, Jacob Israel Kolasky, Herbert Victor B.Arch. 1937, University of Penn- sylvania	N.Y. D.C.
Kendrick, John Alex Kenkel, John Leonard A.B. 1939, University of Notre Dame	D.C. Iowa	Kornitzer, Henrietta Goldsmith A.B. 1942, A.M. 1948, The George Washington University	D.C.
Kennedy, Jessie Brett Kennerly, James Martin A.B. 1935, Arkansas Agricultural and Mechanical College	D.C. Ark.	Kortman, Cecil M. Kotter, F. Ralph B.S. 1947, University of Utah	Tex. Utah
Kennon, Robert Stuess Kennon, Troye A.B. 1936, University of Tulsa	D.C. Okla.	Kozisky, Stephen Kramer, Floyd Weber Krieger, D. Jeanne Krochmal, Charles Krueger, Louise Manley A.B. 1932, Bucknell University	Pa. N.Y. Iowa N.Y. Md.
Kent, Peter A. Kerley, Larry Ernest A.B. 1937, Arkansas State College	Mo. Ark.	Kukoski, Leonard K. Kunc, Frances Grace A.B., A.M. 1935, Central State Teachers College, Edmond, Okla.	Mich. Okla.
Kessner, Louis Joseph Keys, Leon Gilbreath A.B. 1934, University of Oklahoma	N.Y. Okla.	Kunsak, Stephen W. Kurz, Charles Geoffrey Kyne, William B.	Pa. D.C. Wyo.
Keyser, Herbert Fred A.B. 1931, Colgate University	N.H.	L	
Kidwiler, Julian C. A.B. 1935, Shepherd State Teachers College	W.Va.		
Kiefer, Verna Volz A.B. 1937, The George Washington University	N.Y.	Labelle, John Dernier A.B. 1937, Colgate University	Utah Md.
Kieferle, Frederick Thomas Kielhorn, William Vineyard	Md. D.C.	Lacey, Mary M. A.B. 1936, A.M. 1938, Ohio State University	D.C.
Killes, John F. A.B. 1936, University of South Carolina	N.Y.	Lacoste, Jack Lacrosse, Paul John A.B. 1933, University of Vermont	Vt. N.Y.
Killea, William D. Kilmartin, Joseph Hardy Kilpatrick, Edward Floyd A.B. 1933, University of Missouri	N.Y. Va. Mo.	Ladimer, Irving A.B. 1935, College of the City of New York	N.Y.
Kimmel, Eunice Naomi A.B. 1930, Washburn College	Kans.	Ladimer, Sophie H. Ladson, Dorothy Doris B.S. 1932, Indiana State Teachers College	Ind. Ill.
Kindavatter, Leo Richard King, Betty Kinsella, James F. Kinsman, Margaret Kintz, Burton E.	Ohio D.C. Va. Md. N.Y.	Lamm, Lewis Jacob B.M.E. 1930, The George Washing- ton University	D.C. D.C.
Kipp, Robert Francis Kirk, Hugh Adam B.S. 1934, University of Toledo	D.C. Ohio	Lamon, Charles S. Landacre, Arthur S. A.B. 1920, Davis and Elkins College	D.C.
Kirkham, Grant Kitts, Walter Hewson Klein, Charles Conrad Klein, Paul M., Jr. B.M.E. 1938, College of the City of New York	Utah W.Va. Ky. N.Y.	Lane, Edward J. H. B.S. in M.E. 1930, The George Washington University	Wyo. Va. D.C.
Kleinkauf, John H. Klions, Oscar Kloth, Gilbert Frank Klug, Helen M. Knauf, Albert Ensign B.S. 1928, A.M. 1929, Western Re- serve University	Va. Md. Nebr. Ind. Ohio	Lange, Stanley Walter Lamprecht, Vivian Josephine Larick, Elizabeth Ann B.S. 1935, Madison College	Ill. Md. Md. Va. D.C.
Kneipp, John Albert A.B. 1937, Duke University	D.C.	Larsen, Barbara M. Larson, John David, Jr. Lathrop, Robert Park Lauk, Eleanor Moore Lauder, Dorothy Marie A.B. 1934, The George Washington University	Tex. N.Y. N.C. D.C.
Kneipp, John Albert A.B. 1937, Duke University	D.C.	Law, Ira Lee Lawless, Van Ness Laxton, William C. Lazaroff, Louis A.B. 1910, The George Washington University	
Knoft, William Maury Knox, George W.	Ohio Va. Nebr. Mass.		





Matchett, Madeline Marie A.B. 1939, The George Washington University	D.C.	Meigs, Edward Douglas Memler, Willard Robert Mendelson, Irving P. Mensch, Ivan Norman Merrill, Annabel Laura M.S. 1930, Cornell University	Idaho D.C. D.C. D.C.
Mathews, Elizabeth Lois Mathews, Mary A. Mattingly, Lawrence Maupin, Armstead Jones A.B. 1936, University of North Carolina	Okla. Okla. D.C. N.C.	Mershon, Clarence Earl B.S. in M.E. 1931, Oregon State Agricultural College	Ore.
Mauratz, Frank Edward D.Eng. 1937, Johns Hopkins University	Md.	Mershon, James Lyle B.S. in M.E. 1935, Oregon State Agricultural College	Ore.
Maxwell, Laurel H. May, Lucy D. A.B. 1931, The George Washington University	Mich. Va.	Merwin, Stuart Randolph B.S. 1927, University of Oklahoma	Okla. Va.
McAdams, Alfred Henney McBride, Virginia Elizabeth A.B. 1935, Shepherd State Teachers College	Ky. W.Va.	Meyer, Karlene Meyer, Herbert B.S. 1924, University of California	Calif. Va.
McCann, Mary Ann McCarte, Dallas H. McCarthy, Charles Henry McCarthy, Charles John McCarthy, Edward J. McCarthy, Florence Derrick A.B. 1934, University of Utah	D.C. Tex. D.C. D.C. D.C. D.C.	Meyer, Ruth Sampson Michelson, Ruth G. Michelson, Irving Michelson, Walter B.B.A. 1933, University of Washington	Mich. D.C. D.C. D.C. D.C.
McClellan, Merle Moore A.B. 1937, University of Texas	Tex.	Mickey, Joseph Francis Micotti, Nellie A. Milburn, Virginia Randolph Miller, Albert Raymond Miller, Edna Emily A.B. 1935, Western Maryland College	D.C. D.C. D.C. D.C. Md.
McClelland, Casper S. L.L.B. 1933, A.B. 1938, The George Washington University	Pa.	Miller, Frank Nelson, Jr. Miller, Frank R. Miller, Grace H. Miller, Jane Carter Miller, Monroe Isaiah Millholland, Fanny West Morgan, William Henry, Jr. B.S. 1928, Randolph Macon College	D.C. Utah D.C. D.C. Va. D.C. Va.
McCluney, Forrest Fletcher A.B. 1937, University of Missouri	Mo.	Mintington, Henry William Minick, Robinson Glover Mitchell, Jean Mitchell, Margaret Hanway Mitchell, Milton Mitchell, Richard S. Mitchell, Virginia Victoria Mockabee, Pearl Virginia Moder, Irving Moon, Doris C. Mooney, Brian Moore, Bertha Irving A.B. 1934, Flora MacDonald College	D.C. D.C. Ohio N.Y. N.Y. Md. D.C. N.Y. D.C. D.C. Fla.
McComas, William Taylor McCone, James McConkey, John Irving McCormell, Robert Chalmers A.B. 1935, University of New Mexico	W.Va. Conn. N.Y. N.Mex.	Moore, George Marshall A.B. 1937, The George Washington University	D.C.
McCoy, Harry S. McCracken, Duval Talmadge A.B. 1928, The George Washington University Ph.D. 1938, University of Pennsylvania	Idaho Ark.	Moore, Howard Nelson E.E. 1930, Cornell University L.L.B. 1934, The George Washington University	W.Va.
McDavid, Marion Foy A.B. 1932, Davidson College	N.C.	J.D. 1938, Georgetown University	D.C.
McDonald, Robert Frank McFeaters, Marvin Clyde McGowan, John James B.S. 1937, Oregon State College	D.C. Okla. D.C.	Moore, Robert Eugene Moore, Woodbury Landon B.S. 1930, Virginia Polytechnic Institute	Va. D.C.
McGraw, Thelma Dick A.B. 1927, Berea College	Ky.	Moran, Dorothy Isnette A.B. 1935, A.M. 1939, University of Georgia	Ind.
McKiever, Charles F. McKiever, Mary Carmel B.S. 1924, St. Joseph's College	S.C. D.C.	Morgan, Anne Morgan, Harold A.B. 1927, University of Missouri	Ill. Va.
McKnight, Gene McKnight, Merwyn Newell, Jr. McKnight, Olin Sylvest McKool, Michael Peter McLaughlin, William R. McNeil, Helen Elroy McPheeters, Scottie McPherson, Maud Esther A.B. 1905, A.M. 1906, The George Washington University Ph.D. 1923, University of Wisconsin A.M. in Ed. 1932, Columbia University	Ill. Va. Fla. Tex. N.C. D.C. D.C.	Morgan, Ronald Henry B.E., 1926, Springfield College	Pa.
McQuown, Donald Edward B.S. 1935, Washington and Jefferson College	D.C.	Morgenstein, Sam A.	

# Students Registered

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Morris, Dale Roark B.S. 1932, Southwest Missouri State Teachers College	Mo.	Neuhauser, Frank Louis B.S. in E.E. 1934, University of Louisville	D.C.
Morris, Hilma Maria	Md.	Neumann, Robert Ballin	D.C.
Morris, Mary K. A.B. 1934, Stanford University	Nev.	Newman, John Wright	Neb.
Morrison, Margaret Frances	D.C.	Nielson, Charlotte Bertana	Ill.
Morse, Roger Herbert	Kans.	Nielsen, Joseph S.	Va.
Moskowitz, Grover M. Jr. A.B. 1938, Lafayette College	N.Y.	Niel, Margaret	D.C.
Moss, Joseph Alexander A.B. 1934, Southwestern, Memphis, Tenn.	Ark.	Noll, I. L. A.B. 1930, University of New Mexico	N.Mex.
Mott, William Chamberlin B.S. 1933, United States Naval Academy	N.J.	Nordlund, Harry T.	Wash.
Moussot, Anne A.B. 1936, Lycee de Jeunes Filles, Nice, France	D.C.	Nowakow, Arthur J.	D.C.
Moyer, Walter	D.C.	Nowakow, Robert John	D.C.
Mullin, Harold R.	Wis.	Nowlin, William Bernard	Wash.
Munson, Gerald Luther	Md.	Noyer, Elmer R. A.B. 1931, St. John's College, Maryland	Mass.
Muster, Elmer Dewey	Nebr.	Nugent, John Anthony B.S. in M.E. 1933, The George Washington University	Md.
Muntzel, Dorris Opal B.S. 1934, University of Missouri	Mo.	Nugent, Paul Raymond	D.C.
Murdock, Myrtle A.B. 1926, Arizona State Teachers College	D.C.	Numbers, Frank F.	D.C.
A.M. 1927, University of Arizona		Nutter, Charles William	D.C.
Murphy, Irene M.	D.C.	O	
Murphy, John Thomas	N.Y.	O'Brien, Lela Fern A.B. 1936, Western State College of Colorado	Colo.
Murphy, Mable Gant A.B. 1912, Butler College	D.C.	O'Brien, Margaret Faye	N.Dak.
A.M. 1923, The George Washington University		O'Connell, I. Fred	S.C.
Murphy, Neil Francis A.B. 1917, Catholic University of America	Conn.	O'Connor, Buell A.B. 1937, Yale University	Okla.
Murphy, Rosalind Anne A.B. 1937, Trinity College	D.C.	O'Donnell, John D.	Pa.
A.M. 1939, Catholic University of America		Ohman, Vincent Ivar B.S. in C.E. 1934, Johns Hopkins University	Md.
Murray, Charles A.	Mass.	O'Keefe, Daniel V. B.M.E. 1938, University of Minne- sota	S.Dak.
Murray, George Edward	N.Y.	Olson, Yetta Edith A.B. 1932, Hunter College	N.Y.
Myer, Annette Dorothea	D.C.	O'Leary, Patrick M. LL.B. 1937, University of South Dakota	D.C.
Myers, Clarence John	D.C.	Oliver, Bernard John	Md.
Myers, Helen Sherman	D.C.	Olney, Elbert Y. A.B. 1926, Columbia University	D.C.
Myers, Joseph Nelson	D.C.	A.M. 1936, The George Washington University	
Myers, Mary Catherine B.S. 1930, Indiana State Teachers College	Ind.	Olzewski, George John	D.C.
Myers, Samuel Behrens	D.C.	Olmstead, Wallace S.	D.C.
Mykowski, Walter Joseph	Mass.	O'Neill, Charles F. A.B. 1934, Texas Technological College	Tex.
N			
Naecker, Louis Joseph	Md.	O'Neill, Glenn Wilbur B.S. 1937, Wilson Teachers College	D.C.
Nagle, Arthur C.	Iowa	O'Neill, James P.	Mass.
Nagy, George J.	Mich.	Orr, Arthur L.	Idaho
Nathanson, Albert Irving	D.C.	Ondoff, Maud Vernon B.S. 1930, University of Virginia	Va.
Nathanson, Irwin B.	D.C.	Orr, Horace Dale A.B. 1935, Pacific Union College	D.C.
Neal, Thomas Ellison	Ga.	Oster, William Fred	D.C.
Nealon, Elmer James B.S. in Chem.E. 1937, University of Michigan	D.C.	Ostrowsky, Nathan	D.C.
Neergaard, Kirsten M.	D.C.	Oster, Max Silber	N.Y.
Nelson, Arthur H.	Va.	Ostermeyer, Eugenia W.	D.C.
Nelson, Howard Moore B.S. 1932, University of Nebraska	Nebr.	Otto, Cecilia Elizabeth	N.Y.
Nerren, William George	Tex.	Ove, Peter	D.C.
Neuendorf, Helen Elizabeth	Minn.	Overby, Jesse B.	N.C.





Reed, Vaughn DeWitt	Ohio	Rohrl, Joseph Karl	Okla.
Rees, Bynum Fay	Miss.	Rolczynski, Stanley F.	D.C.
Reid, Helen Eileen	Minn.	A.B. 1917, North Dakota State Teachers College, Mayville	
A.B. 1938, The George Washington University		Romanoff, Mervin	N.Y.
Reifanyder, C. Frank	Iowa	Rome, Leona B.	N.Y.
Reiser, Raymond H.	D.C.	Romni, Eugene Emil	S.C.
Reith, William Anthony, Jr.	D.C.	Rosenwald, St. Johns Palmer	Pa.
Remick, Israel	N.Y.	Rosenberg, Theodore	N.H.
Reynolds, Elbert Iamar	Ohio	Rosenblum, Bessie	D.C.
Rexnolds, William N.	Nebr.	Rosenbush, Arthur	N.Y.
Rhoads, Lee M.	Ala.	A.B. 1914, College of the City of New York	
Rhoads, Mary Evelyn	Md.	Rosner, Harry	N.Y.
A.B. 1924, Hood College		A.B. 1931, A.M. 1932, Cornell University	
Rhodes, Frances Marion	Mo.	Ross, Leon Albert	Va.
A.B. 1912, Southeast Missouri State Teachers College		Ross, Allen Murray	Ariz.
Rhodes, James Charles	D.C.	Ross, John W.	D.C.
Rhodes, John Glenn	Va.	Ross, Lucy LaVonne	Nebr.
Rhodes, Lewis Bealing	D.C.	Rosser, Frank X.	Md.
Rhymes, David Isome	Miss.	Ross, Ernesta Mary	Conn.
Rice, Alva Wenonah	Va.	Rosson, Bernard A.	Md.
B.S. 1915, Madison College		Rothberg, Aaron	D.C.
Rice, James Emmor	Va.	Rothrock, Louis Elaine	Calif.
Rich, Edward H.	Idaho	Rottschaefer, Simon	R.I.
Rich, William Wallace	Va.	Roudsford, Howard Glenn	D.C.
A.B. 1931, Emory and Henry College		Rounds, Elizabeth Wilkinson	D.C.
Richards, Barbara Fairbanks	D.C.	Routman, James H.	Tex.
Richards, Channing L.	D.C.	B.B.A. 1942, University of Texas	
M.E. 1934, Cornell University		L.B. 1949, The George Washington University	
Richards, Leo J.	Calif.	Rowe, Gladys	N.C.
Richards, Mary	Md.	Rowlatt, Louise	D.C.
Richardson, Henry A.	Fla.	A.B. 1925, A.M. 1924, University of Utah	
Richardson, Reginald Mallory	D.C.	Rubinowitz, Leo	N.Y.
Richman, Thomas Lefoy	Idaho	B.S. 1929, Cooper Union	
A.B. 1939, The George Washington University		Rubinstein, Bernard	N.Y.
Richman, Veda Tremelling	Idaho	B.S. 1932, New York University	
B.S. 1944, Utah State Agricultural College		Rudler, Eugene I.	D.C.
Ricketts, Josephine	Ark.	A.B. 1929, Phillips University	
Ridd, L. Gordon Mather	D.C.	B.S. 1931, University of Kansas	
Riddle, Virginia B.	D.C.	Ruestow, Edward Alan	N.Y.
Rieck, John Maxwell	Md.	A.B. 1925, Columbia University	
B.S. 1934, Wilson Teachers College		Rubin, Joseph Vincent	N.J.
Rimel, Irvin	Ill.	Ruppert, M. Clare	D.C.
B.S. in Chem E. 1934, University of Illinois		A.B. 1939, The George Washington University	
Richer, Chlod C.	Ind.	Rush, Eugene Alvin	Tex.
B.S. 1934, Indiana State Teachers College, Terre Haute		A.B. 1933, University of Texas	
Ritter, Joseph Charles	Ill.	Russell, Kathryn Lenore	D.C.
Robbins, Frederic P.	Tex.	Russell, Oliver	D.C.
Roberson, Sue Wall	N.C.	A.B. 1930, A.M. 1925, Columbia University	
A.B. 1926, Woman's College of the University of North Carolina		Russell, Stuart H.	Okla.
Roberson, Mary Brooks	D.C.	Rutherford, George Little, Jr.	N.Y.
Robey, Edgar Alderson	D.C.	A.B. 1918, Hamilton College	
Robey, Thomas E.	Md.	Ryan, James Francis	Mass.
Robins, Edward W.	Mont.	A.B. 1935, College of the Holy Cross	
Robinson, Murray	D.C.	Ryan, Katherine Anne	D.C.
B.S. 1916, Worcester Polytechnic Institute		Rylee, Willie Yeates	Miss.
Robison, George H., Jr.	N.Y.	B.S. 1930, American University	
Roca, Paul McLennan	Ariz.		
A.B. 1931, University of Arizona			
Rochelle, William Jennings, Jr.	Tex.		
A.B. 1918, The George Washington University			
Roden, Donald C.	Utah		
Rodriguez, Luis O.	P.R.		
Roffe, Frances L.	Va.		
Rogers, Peter V.	N.Y.		

Sammons, Robert L.	Minn.	Shapiro, Annette Deborah	D.C.
Sanders, Marion Edna	Nev.	Shapiro, David	Md.
Sanders, Mary H.	Fla.	Shapiro, Eugene	Pa.
A.B. 1923, Butler University		Shapiro, Harry G.	Md.
Sandridge, Roy Preston, Jr.	D.C.	B.S. 1917, The George Washington University	N.Y.
Sandoval, Ernest	Colo.	Shapiro, Leonard	D.C.
Sandusky, Bernard M.	N.Y.	Shapiro, Paul	Del.
Sant' Ambrogio, Henry	N.J.	Shapiro, Samuel	
Sapp, Carl Robert	Ill.	B.S. 1933, University of Delaware	Md.
Sappenfield, Keith Mynas	Ind.	Sharrer, Frances Mae	Mo.
Sappington, Albert Osborn	D.C.	Shaw, Margaret Ruth	D.C.
Sargent, Lewis	Va.	Shaw, Robert Wetherby	D.C.
Sarsfield, Orlando L.	Va.	Shearer, Mary Byrd	Va.
Sassani, Michael Joseph	N.Y.	Sheehan, Barbara Ann	D.C.
Sasser, Clara Ambler	D.C.	Shepard, Charles Dorman	
Sayers, Walter	N.Y.	M.E. 1917, Cornell University	Utah
Schaler, L. Arnold	D.C.	Shepherd, Warren Dee	D.C.
Schaich, Wilbur Allison	D.C.	Sherly, Raphael	
B.E.E. 1936, Ohio State University		A.B. 1933, LL.B. 1936, LL.M. 1938, The George Washington University	Va.
Schaper, Lottie Winhelmina	Ariz.	LL.M. 1937, Harvard University	Pa.
B.S. 1929, University of Arizona		Sheser, Ruth	
Schayer, Richard William	D.C.	Shen, Grant Rhoads, Jr.	Pa.
Schelller, Leonard William	Pa.	Sherman, Bertha Antoinette	
B.S. 1935, Bucknell University		B.S. 1935, State Teachers College, Westchester, Pa.	Ala.
Schlesch, Charles Daniel	D.C.	Sherrill, George L.	Ala.
Schmidt, John Ferdinand	Mich.	Sherrill, William Bruce	W.Va.
B.S. 1935, University of Michigan		Sherwood, William B.	
Schmidt, Sylvia Ruth	D.C.	A.B. 1916, University of Chicago	Mo.
Schmitt, Barbara Ann	Md.	Shidlett, Vance	
Schmitt, Waldo Ernest	Md.	A.B. 1918, The George Washington University	N.Y.
Schneider, Pauline	Iowa	Shlomowitz, Paul	D.C.
Schnefeldler, Otto William	S.Dak.	Shost, Pauline	
A.B. 1931, The George Washington University		A.B. 1916, Woman's College of the University of North Carolina	Nebr.
Schuler, Jack	D.C.	Shull, Lewis Frederick	
Schumacher, Tedford Eugene	Ill.	A.B. 1916, Nebraska State Teachers College	Va.
Schuber, Mary Alice	D.C.	Shull, William W.	Md.
Schumacher, Rose Emmett	Ala.	Shuster, James Harper	D.C.
Schneider, Merle Edwin	S.Dak.	Sibbet, Laing W.	N.Y.
Schultz, Herman L.	Iowa	Siegel, Nathan	
B.S. 1928, University of Iowa		B.S.S. 1918, College of the City of New York	D.C.
Schumacher, Jack	Nebr.	Suggers, Edward G.	
Schumann, Louise Anne	D.C.	B.S. 1918, Wilson Teachers College	D.C.
Schuman, Nathalie	D.C.	Simmata, Kenneth A.	Va.
Schwartzbach, Eleanor	Pa.	Simpson, Ellsworth Tenley	W.Va.
A.B. 1932, Hunter College		Singer, Edward Jay	D.C.
Schwimmer, Sigmund	Ohio	Sinard, Melbourne Fredorn	
Sewest, Verth	D.C.	B.S. 1922, University of Kansas	Va.
Sklar, Rachel N.	N.Y.	Spax, James S.	N.Y.
Scott, Alice Louise	D.C.	Spax, Julia William	D.C.
B.S. 1917, Wilson Teachers College		Sipka, Chester	D.C.
A.M. 1918, Columbia University		Solen, Dorothy Sylvia	D.C.
Scott, Emory Giles	Va.	Skoske, Bruce	D.C.
A.B. 1917, Hampden Sydney College		Skorke, Dudley Graham	Md.
Scott, Francis D.	D.C.	Slate, Thomas Charles	Pa.
Scott, Frederic Maurice, Jr.	Calif.	Small, Leonard	Md.
Scott, Tasso Harold	Colo.	Smith, A. Leonard	Tex.
A.B. 1911, University of Colorado		Smith, Anne Louise	D.C.
M.S. 1911, Georgetown University		Smith, Bernice	Ill.
Seery, George P.	N Mex.	Smith, Burton Glancy	Mo.
B.S. 1915, University of New Mexico		Smith, Calhoun	D.C.
Seider, Albert Emil	D.C.	Smith, Charles Anthony	Md.
Sells, Oscar Hopper	D.C.	Smith, Charles Ford	D.C.
A.B. 1911, A.M. 1914, American University		Smith, DeWitt Clinton	
Seppala, Albert Mauno	Mass.	Smith, Elsie Louise	Va.
B.S. in C.E. 1915, Northeastern University		B.S. 1927, Wilson Teachers College	
Shanefelt, Dorothy Marie	D.C.	Smith, George Hersley	
A.B. 1918, The George Washington University			
Shannon, Charles Lewis	D.C.		

Smith, Gordon Murdoch	Va.	Stronberg, Marvin O.	Neb.
Smith, Grace Horsley	Smith, H. Hewlett	Strout, Mahon Oakley	Mo.
A.B. 1919, The George Washington University	D.C.	Stronberg, Marvin Frances	Mo.
Smith, Harry Wallace	Ga.	Stratton, Deane Gray, Jr.	D.C.
Smith, Helen Claire	Pa.	Sust, Robert Wade	D.C.
A.B. 1916, University of Pittsburgh	Pa.	Sullivan, Betty Lou	D.C.
Smith, James Edward	N.C.	Sullivan, Edwin Kemper	D.C.
Smith, Janice Joyce	D.C.	Sullivan, George Helen	D.C.
Smith, Margaret Virginia	Mo.	Supak, Ann M.	Pa.
Smith, Marian	D.C.	Sutcliffe, Don Arthur	D.C.
Smith, Oliver Wendell	D.C.	Sweet, George Elv	Md.
Smith, Robert Vernon	D.C.	Susskind, Benjamin	N.Y.
A.B. 1938, Yale University	D.C.	Swain, Robert Adams	Te.
Smith, Sherman Austin	Utah	A.B. 1934, Texas College of Mines and Metallurgy	
B.S. 1936, University of Utah	Utah	A.M. 1936, The George Washington University	
Smith, Glee McDonald	Va.	Swann, Ida Virginia	D.C.
Smither, Owen Haskell	Ky.	Swanson, Mary Anne	D.C.
Smoot, Albert	Utah	Swenson, Carl Otto	D.C.
B.S. 1917, University of Utah		Sweet, Tamara	D.C.
Smuth, William Beverly	Ohio	Swartzler, Edwain James	D.C.
Smuck, John L.	D.C.	Sze, Kenneth Charles	China
Smoot, Charles Edwin	N.Y.		
Sokoloff, Nicholas William	D.C.		
B.S. in M.E. 1932, New York University			
Solomon, John	N.I.	Taft, Perry Hazard	Calif.
Solt, Samuel James	D.C.	A.B. 1916, University of California at Los Angeles	
Somerville, Helen	Ill.	Talbot, Cyril A.	Wis.
Sonn, Jean Helen	D.C.	Talbot, William Raymond	D.C.
Southmayd, John P.	Mont.	A.B. 1938, The George Washington University	
Southwell, Paul M.	D.C.	Taphan, Abraham	N.Y.
Soward, Kenneth S.	Mass.	B.S. 1915, M.C.E. 1917, College of the City of New York	
Spalding, Allan	D.C.	Tarbert, Ralph Lawrence	D.C.
Sparks, Neal W.	Wyo.	Tate, Ivy Frances	D.C.
B.Arch. 1926, Carnegie Institute of Technology		Taylor, Harry Lee	D.C.
Speer, James Paul II	Okla.	Taylor, Melba Keller	D.C.
Speer, John Bruce I.	Okla.	A.B. 1935, The George Washington University	
Spencer, John W. H.	D.C.	Taylor, Robert Grayson	D.C.
Spencer, Joseph W.	Wash.	Taylor, Virginia	Tex.
Stam, T. Leon	N.Y.	Taylor, Howard Smith	Tex.
Stambridge, Jeanne Grieb	D.C.	Tearney, Mary Bernadett	D.C.
Stanfield, James Rutherford	Wis.	Teppee, Leon	Md.
Stanley, Jeanne Frances	Ohio	Termon, Loren Leoney	Okla.
Starkweather, Helene Keely	Md.	B.S. 1936, University of Maryland	
Starkweather, Heinz W.	D.C.	Tessier, Salvatore John	N.Y.
Starkweather, T. Joe	Neb.	Thomas, Foss E.	Mass.
Stephens, H. Eugene Andrew	D.C.	Thomas, Herbert	S.Dak.
Stephens, Ben, Jr.	Ill.	Thomas, Jesse W. Shaw	Ky.
Stephens, Louis Clark	D.C.	Thomas, Louis Emerson	D.C.
A.B. 1923, Ruston College		Thomas, Melvin Charles	D.C.
Stephens, Ruth Harris	Tex.	Thomas, Walter Louis	D.C.
Stevens, Edwin H.	Md.	Thomas, Harold Berlie	D.C.
Stevens, Elizabeth Russell	Md.	Thompson, Henry Jr.	D.C.
B.S. 1926, Wilson Teachers College		Thompson, Martin Hayes	N.H.
Stevens, Lucille Lenore	D.C.	Thompson, Mary Caroline	D.C.
A.B. 1921, Randolph-Macon Women's College		B.S. 1924, University of Virginia	
A.M. 1928, Columbia University		Thompson, Robert Edwards	D.C.
Stiles, Robert S.	Ala.	Thompson, Roy Mary	D.C.
Stimie, Howard Ellsworth	Ind.	Thompson, William Wake	N.Y.
Stoddard, Janet Gray	Md.	Thompson, Catherine Helen	D.C.
Stone, Gladys Pauline	D.C.	Thompson, John Oscar	D.C.
Stone, Ruth Pauline	D.C.	Thompson, Linda Thayer	D.C.
Storch, Mary in Malcolm	N.Y.	A.B. 1925, The George Washington University	
Stotelyet, George Benton	Ill.	Thorne, William O.	D.C.
Street, Margaret Hope	D.C.	Thorne, James William	N.Y.
A.B. 1928, The George Washington University		Timm, Richard Charles	Low.
Strite, Josephine Clagett	Md.	Tjornagel, Christian Adolphus	
A.B. 1927, Swarthmore College			



Todd, William Joseph	Mich.	Villmoare, Edwin S.	Mo.
Tomates, Philip	Conn.	Voerge, Helen Lilly	Ga.
Touton, Iona	D.C.	Voight, Jack Penrose	Va.
Trammell, Edith Evelyn	D.C.	Volsk, Nicholas T.	D.C.
Trantham, Forrest F.	D.C.	B.S. 1927, University of California	Va.
Trapp, Ernest Calvin	N.Mex.	Vonstruve, Blossom	
A.B. 1935, Central State Teachers College, Oklahoma			
Traxler, William Byrd	Tex.	Wadden, Caroline	D.C.
Tripp, Edward Arnold	D.C.	Wadsworth, Iris	D.C.
Truex, Mary	Ind.	Wales, Gardner H.	N.Y.
A.B. 1937, The George Washington University		B.S. 1929, University of New Hampshire	
Tuft, J. Russell	D.C.	Walker, Clifford W.	Ark.
Tuft, Thomas Davies	D.C.	Walker, Ernest Carroll	N.C.
Tull, Cora N.	D.C.	Walker, John Frost, Jr.	S.C.
Turner, Jettee	Tex.	A.B. 1933, LL.B. 1935, University of South Carolina	D.C.
A.B. 1937, The George Washington University		Walker, Phyllis Lee	Va.
Turner, John Jacob, Jr.	Md.	Walker, Robert Butler	
Turner, Lula	Tex.	A.B. 1933, Duke University	Idaho
Turner, Marshal Swanson	N.C.	Walker, Samuel Branch	
Turner, Olan Eldridge	D.C.	B.S. 1935, M.S. 1939, University of Idaho	
B.S. 1938, Wilson Teachers College		Wall, Samuel Harper	Ala.
Turney, Elizabeth Anne	D.C.	Waller, Anna Lou	D.C.
Turney, William O. Neil	D.C.	Wallgren, Otto Victor	N.Y.
Turpin, Malcolm E.	Pa.	Wallin, Anita Bier	
A.B. 1930, Marshall College		Wallin, Edward John	Man.
A.M. 1935, New York University		B.M.E. 1931, Northeastern University	Va.
Turville, Edward A.	Fla.	Walsh, Dorothy Drexel	
A.B. 1936, Washington and Lee University		A.B. 1936, Bryn Mawr College	Mo.
Tyson, Clifford W.	Md.	Walstrom, Charles Bowen	Ill.
		Walter, Paul Bradbury	
		B.S. 1935, Dartmouth College	D.C.
		Ward, Kathryn M. Painter	
		A.B. 1935, A.M. 1938, The George Washington University	Kans.
		Wardlow, Imo	Md.
		Warner, Percy deForest	Md.
		Warthen, Thomas Vernon	
		B.S. 1930, Washington College	Okla.
		Washington, A. Jr.	Calif.
		Wasserman, Oscar	Maine
		Waterman, Edward Lester	Kans.
		Waters, Dorothy Genevieve	D.C.
		Watkins, Robert Edward	
		B.S. 1935, United States Naval Academy	D.C.
		Watson, Guy B.	Miss.
		Watson, Walter Lee	Ohio
		Watt, John Paul, Jr.	D.C.
		Watts, Chester Burleigh	Va.
		Wayland, Francis Wellmay	Md.
		Weaver, Frank Lloyd	Vt.
		Webb, Charles Edward	S.C.
		Webb, Paul Hamilton W.	
		B.S. 1937, University of South Carolina	D.C.
		Webb, Wanda	
		A.M. 1936, The George Washington University	Pa.
		Webster, William Hoban	
		B.S. 1932, University of Pennsylvania	D.C.
		Weber, Marjorie Louise	D.C.
		Webster, Edward Jerome	D.C.
		Wechsler, Nathan	Mich.
		Wechsler, Sanford Leonard	

Wedde, Virgil H. B.S. 1926, Brigham Young University	Nev.	Wilson, John T. Wilson, Emma A.B. 1928, Randolph Macon Woman's College	Pa. N.C.
Webb, Joseph B.M.F. 1928, New York University	D.C.	Wilson, Martha Louise Wilson, Paul Randolph Wilson, Ruth Vann B.S. 1923, George Peabody College	D.C. D.C. Va. D.C.
Webb, Patricia Rose Wessenberg, Sidney West, Renee Westel, Juliet Louise B.S. 1926, Wilson Teachers College	D.C. N.Y. Va. D.C.	Wistree, Robert M. Winkler, Herman Martin Winkler, Sheldon W. B.S. 1926, University of California	D.C. D.C. Utah D.C.
Webb, Jack H. Webb, Miriam Florence Webster, Marianna Rota Wells, William Washnow A.B. 1928, Wharman College	D.C. Brazil Ill. Oreg.	Winston, Thomas Joseph Winthrop, Henry B.S. 1925, College of the City of New York	D.C. N.Y.
Wieling, Clifton Wendell A.B. 1922, Michigan State Normal College	Mich.	Wittmann, Charles H. Wolf, Martin Luther Wood, James Campbell Wood, Lucy A. Woodard, James M. Jr. Woods, Edwin K. B.S. 1926, University of California	D.C. N. Dak. Pa. Wis. Nebr. Va. Mass.
Wharton, Alne Harwood Winkler, Robert L. White, Eleanor Eugenia White, John Clark White, Marian Virginia White, Mary Latherland B.S. 1927, Wilson Teachers College	Md. Idaho Md. W.Va. Va. D.C.	Woods, Edwin Marshall B.S. 1927, University of Alabama Woodside, Beryl D. B.S. 1929, University of Pennsylvania A.M. 1931, The George Washington University	Pa. Pa.
White, Virginia Winifred Whitehead, David C. Watney, Wanford Ellenor A.B. 1934, A.M. 1935, The George Washington University Whitman, John Patrick T.L.B. 1935, Georgetown University	Md. Va. D.C. D.C.	Woodside, Lehman F. A.B. 1928, The George Washington University Woodside, Walter W. Woodward, Thomas Plunkett Workman, Elisabeth Jean Wright, Thomas John Wurtzel, Sol Wydra, Miriam	Ill. Ill. Va. N.Y. N.Y.
Wibby, John Darlington Wick, Quentin Wilcox, Marion Breece Wiler, Jessie Emma Wiley, Marjorie Randall Wille, Robert A. Williams, Christopher Harris Williams, Doris B.S. 1928, New York State College for Teachers	Mich. Pa. N.Y. D.C. Md. D.C. M.M. D.C.	Yaden, Andrew Virginia A.B. 1928, The George Washington University Yates, W. Fred Austin A.B. 1928, Mount St. Mary's College Yost, Charles Francis Yost, Paul N. Young, George S. Young, Paul	Ky. Md. D.C. Pa. Md. D.C.
Williams, Leland John A.B. 1930, Westminster College Williams, Lorraine Williams, Nannie Mae Morris B.S. 1933, Mary Washington College	D.C. D.C. Va.		
Williams, Robert Sneed A.B. 1929, The George Washington University Williamson, Charles Williamson, Clifton Russell Williamson, Harry White Williamson, Helen Phelps B.S. 1936, Wilson Teachers College	D.C. Mich. Ark. D.C. D.C.		
Willis, Arthur Burgess Willis, Benjamin C. A.B. 1922, The George Washington University A.M. 1926, University of Maryland Willis, Bennett, Jr. Willis, Earl T. A.B. 1911, Washington College A.M. 1916, Columbia University Willis, John B. Willis, Robert Eugene B.S. 1925, Oklahoma Agricultural and Mechanical College Willis, Robert Mayo Wilson, Howard	D.C. Ga. Md. D.C. D.C. D.C. D.C. D.C. D.C. Ohio. D.C. D.C.		
		Zabac, Henry Zackard, Albert Mitchell B.S. in M.F. 1925, College of the City of New York Zark, Samuel Charles Zapp, Frances Knopp Zeppl, Constantine Zelick, Milton Emil Zimmer, James David Zimmer, Jack Leonard Ernest Zimmerman, Carl W. A.B. 1924, Western Reserve University Zipser, Isidore Zubrecky, Joseph Romaine Zubrecky, Stephen John	Mich. D.C. N.J. D.C. Ill. D.C. D.C. D.C. Ohio. N.Y. Pa. Pa.

# SUMMARY OF REGISTRATION

## 1939-40

### THE JUNIOR COLLEGE

Freshmen .....	1,660
Sophomores .....	734
Unclassified students .....	3
	<hr/> 2,403

### COLUMBIAN COLLEGE

Juniors .....	295
Seniors .....	262
Candidates for the degree of Master of Arts. ....	346
Candidates for the degree of Master of Science. ....	9
Unclassified students .....	16
	<hr/> 928

### THE GRADUATE COUNCIL

Candidates for the degree of Doctor of Philosophy. ....	56
	<hr/> 56

### THE SCHOOL OF MEDICINE

First Year .....	74
Second Year .....	66
Third Year .....	57
Fourth Year .....	52
Candidate for the degree of Master of Science. ....	1
	<hr/> 248

### THE LAW SCHOOL

First Year .....	424
Second Year .....	211
Third Year .....	173
Candidates for the degree of Master of Laws. ....	28
Candidate for the degree of Doctor of Juridical Science. ....	1
Unclassified students .....	19
Special students .....	5
	<hr/> 861

### THE SCHOOL OF ENGINEERING

Freshmen .....	155
Sophomores .....	72
Juniors .....	62
Seniors .....	57
Candidate for the degree of Civil Engineer. ....	1
Unclassified students .....	27
	<hr/> 372



## Summary of Registration

479

### THE SCHOOL OF PHARMACY

Candidates for degrees in Pharmacy.....	21
Unclassified students .....	4

25

### THE SCHOOL OF EDUCATION

Juniors .....	72
Seniors .....	75
Candidates for the degree of Master of Arts.....	213
Candidates for the degree of Doctor of Education.....	70

430

### THE SCHOOL OF GOVERNMENT

Juniors .....	109
Seniors .....	57
Candidates for the degree of Master of Arts.....	99
Unclassified student .....	1

263

### THE DIVISION OF UNIVERSITY STUDENTS

"University students" .....	1,945
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1,945

### THE DIVISION OF LIBRARY SCIENCE

Junior .....	1
Seniors .....	4
Unclassified students .....	2

7

Students registered, Academic Year 1939-40.....	7,538
Students registered, Summer Sessions 1939.....	1,779

Total number of registrations.....	9,317
Duplicates .....	1,210

Total number of students registered.....	8,107
--	-------

# GEOGRAPHICAL DISTRIBUTION OF STUDENTS

1939-40

Alabama .....	64	Oklahoma .....	85
Arizona .....	35	Oregon .....	28
Arkansas .....	52	Pennsylvania .....	349
California .....	83	Rhode Island .....	7
Colorado .....	57	South Carolina .....	64
Connecticut .....	75	South Dakota .....	35
Delaware .....	12	Tennessee .....	72
District of Columbia .....	2,979	Texas .....	136
Florida .....	72	Utah .....	86
Georgia .....	69	Vermont .....	17
Idaho .....	43	Virginia .....	645
Illinois .....	188	Washington .....	63
Indiana .....	73	West Virginia .....	91
Iowa .....	91	Wisconsin .....	82
Kansas .....	87	Wyoming .....	18
Kentucky .....	61	Alaska .....	1
Louisiana .....	29	Brazil .....	1
Maine .....	30	British West Indies .....	1
Maryland .....	525	China .....	4
Massachusetts .....	117	England .....	1
Michigan .....	85	France .....	1
Minnesota .....	90	Germany .....	1
Mississippi .....	62	Hawaii .....	1
Missouri .....	102	Latvia .....	7
Montana .....	39	Panama .....	1
Nebraska .....	59	Peru .....	2
Nevada .....	11	Philippine Islands .....	10
New Hampshire .....	19	Puerto Rico .....	1
New Jersey .....	127	Siam .....	1
New Mexico .....	27	Turkey .....	1
New York .....	664	Venezuela .....	1
North Carolina .....	87		
North Dakota .....	31	Total .....	8,107
Ohio .....	146		

## GENERAL SUMMARY

1939-40

### TEACHING STAFF

Professors Emeritus .....	18
Professors .....	59
Adjunct Professors .....	21
Professorial Lecturers .....	26
Clinical Professors .....	17
Adjunct Clinical Professors .....	5
Associate Professors .....	37
Associates in the School of Medicine .....	35
Assistant Professors .....	46
Lecturers .....	50
Instructors .....	23
Clinical Instructors .....	68
Research Associates .....	8
Associates .....	30
Fellows .....	24
Assistants .....	15
Total .....	482

### STUDENTS REGISTERED

The Junior College .....	2,403
Columbia College .....	928
The Graduate Council .....	56
The School of Medicine .....	248
The Law School .....	861
The School of Engineering .....	372
The School of Pharmacy .....	25
The School of Education .....	430
The School of Government .....	263
The Division of University Students .....	1,945
The Division of Library Science .....	7
The Summer Sessions 1939 .....	1,779
Total number of registrations .....	9,317
Duplicates .....	1,210
	8,107

### CERTIFICATES AWARDED AND DEGREES CONFERRED

Junior Certificates .....	318
Bachelor of Arts .....	144
Bachelor of Arts in Education .....	34
Bachelor of Arts in Government .....	50

(481)



Bachelor of Arts in Library Science.....	4
Bachelor of Science.....	41
Bachelor of Science in Engineering.....	13
Bachelor of Science in Civil Engineering.....	11
Bachelor of Science in Electrical Engineering.....	6
Bachelor of Science in Mechanical Engineering.....	11
Bachelor of Science in Pharmacy.....	9
Bachelor of Science in Home Economics.....	7
Bachelor of Science in Physical Education.....	15
Bachelor of Laws.....	160
Master of Arts.....	55
Master of Arts in Education.....	7
Master of Arts in Government.....	1
Master of Arts in Library Science.....	12
Master of Laws.....	30
Juris Doctor.....	56
Doctor of Medicine.....	5
Doctor of Philosophy.....	
Total .....	1,055

THE SCHOOL OF MEDICINE

1940-1941





THE  
GEORGE  
WASHINGTON  
UNIVERSITY  
BULLETIN

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VOL. XXXIX

No. 3

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THE SCHOOL OF MEDICINE

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WASHINGTON, D. C.

PUBLISHED IN MAY  
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BY THE UNIVERSITY



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# CALENDAR OF THE SCHOOL OF MEDICINE

1940-41

Date	Day	Occasion
1940:		
September 17.....	Tuesday .....	Pre-session examinations
September 19-21...	Thursday to Saturday, both dates inclusive	Registration period for the academic year 1940-41
September 23.....	Monday .....	Academic year begins
October 5.....	Saturday .....	Last day for registration for credit
November 21-23...	Thursday to Saturday, both dates inclusive	Thanksgiving recess
December 23-January 4	Monday to Saturday, both dates inclusive	Christmas recess
1941:		
January 6.....	Monday .....	Classes resume
January 25-February 1.....	Saturday to Saturday, both dates inclusive	Midyear examination period
February 7.....	Friday .....	Classes resume for the second semester
February 23.....	Saturday .....	Winter Convocation. Holiday
April 11-16.....	Friday to Wednesday, both dates inclusive	Easter recess
May 2.....	Friday .....	Last day for applications for degrees to be conferred in June
May 28-June 7....	Wednesday to Saturday, both dates inclusive	Final examination period
May 30.....	Friday .....	Memorial Day. Holiday
June 8.....	Sunday .....	Baccalaureate Sermon
June 11.....	Wednesday .....	Commencement
September 17-20...	Wednesday to Saturday, both dates inclusive	Registration period for the academic year 1941-42

## THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President of the University ex officio and the following persons by election:

1941

- Avery DeLano Andrews, B.S., LL.B.; Winter Park, Florida  
Clarence Aiken Aspinwall; 1140 Fifteenth Street  
Henry Parsons Erwin, A.B.; Hibbs Building  
Mrs. Joshua Evans, Jr., A.B., Ed.D.; 3405 Lowell Street  
\*Howard Wilkinson Hodgkins, B.S., LL.B.; 1604 First National Bank Building, Chicago, Illinois  
\*John Edgar Hoover, LL.M., LL.D.; United States Department of Justice  
Charles Riborg Mann, Ph.D., Sc.D.; 744 Jackson Place  
Walter Rupert Tuckerman, A.B., LL.B.; 1721 H Street  
Chester Wells, B.S., Graduate United States Naval War College; Jones Mill Road, Chevy Chase, Maryland

1942

- Harry Cassell Davis, A.M., L.H.D.; 1921 Kalorama Road  
\*George Edgar Fleming, LL.M.; Union Trust Company  
Charles William Gerstenberg, LL.B.; 70 Fifth Avenue, New York City  
Ulysses S. Grant, 3d, B.S., Graduate United States Engineers' School; 419 Federal Building, Cleveland, Ohio  
Gilbert Grosvenor, A.M., LL.D., Litt.D.; National Geographic Society  
Alfred Henry Lawson, LL.B.; Washington Loan and Trust Company  
Theodore Williams Noyes, A.M., LL.M., LL.D.; 1730 New Hampshire Avenue  
\*Luther Halsey Reichelderfer, M.D., LL.D.; 1661 Crescent Place  
Lloyd Bennett Wilson; 725 Thirteenth Street

1943

- Charles Silas Baker, A.M., LL.B.; 720 Munsey Building  
John St. Clair Brookes, Jr., A.M., LL.B.; Edmonds Building  
\*Bennett Champ Clark, A.B., LL.B.; Senate Office Building

\* Nominated by the alumni.

John Henry Cowles, LL.D.; 1733 Sixteenth Street  
Robert Vedder Fleming, LL.D.; Riggs National Bank  
Charles Carroll Glover, Jr., A.M., LL.B.; Riggs National Bank  
Arthur Peter, LL.B.; Washington Loan and Trust Building  
Mrs. Henry Alvah Strong, LL.D.; Normandy Building  
Merle Thorpe, A.B.; United States Chamber of Commerce Building  
\*Wilbur John Carr, LL.M., LL.D.; 2300 Wyoming Avenue

---

*Chairman of the Board of Trustees*

Robert Vedder Fleming

*Vice Chairman of the Board of Trustees*

Arthur Peter

*Secretary of the Board of Trustees*

Harry Cassell Davis

---

\* Nominated by the alumni.



## OFFICERS OF ADMINISTRATION

### THE UNIVERSITY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*  
\_\_\_\_\_, *Provost*

Harold Griffith Sutton, M.S., *Director of Admissions*  
Fred Everett Nessel, A.B., *Registrar; Secretary of the Faculties*  
John Russell Mason, B.S. in L.S., A.M., *Librarian*  
Charles Edgar Merry, A.B., *Business Manager*  
Henry William Herzog, B.S., *Comptroller*  
Mitchell Dreese, Ph.D., *Dean of the Summer Sessions*  
Myrna Pauline Sedgwick, A.B., *Administrative Secretary*  
Daniel LeRay Borden, A.M., M.D., *Director of Health Administration*  
Vinnie Giffen Barrows, A.M., *Director of Personnel Guidance*  
Alan Thomas Deibert, A.M., *Adviser to Students from Foreign Countries*  
Lester Allan Smith, A.M., *Alumni Secretary*

### THE SCHOOL OF MEDICINE

Walter Andrew Bloedorn, A.M., M.D., *Dean of the School of Medicine*

#### ADMINISTRATIVE ASSISTANTS

Catherine Breen, *Secretary to the Dean of the School of Medicine*  
Isabella Frances Young, A.B., *Assistant Librarian, Medical Library*  
Josephine McKee Green, *Stenographer*  
Anna Mannevillette Sullivan, A.B., *Stenographer*  
Rachel Margaret Horak, *Stenographer*  
Mary Louise Moore, *Stenographer*

## STAFF OF INSTRUCTION IN MEDICINE

### EMERITUS LIST

FRANCIS RANDALL HAGNER, M.D., Sc.D. <i>Professor Emeritus of Urology</i>	1824 19th St.
GEORGE BAIN JENKINS, M.D. <i>Professor Emeritus of Anatomy</i>	30 Gallatin St.
HURON WILLIS LAWSON, M.S., M.D. <i>Professor Emeritus of Obstetrics and Gynecology</i>	1717 N St.
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STERLING RUFFIN, M.D., Sc.D. <i>Professor Emeritus of Medicine</i>	Connecticut Apts.

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THEODORE JUDSON ABERNETHY, B.S., M.D. <i>Associate in Medicine</i>	1411 20th St.
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ARNOLD KENT BALLS, Ph.D. <i>Adjunct Professor of Enzymology</i>	3406 Lowell St.
EMIL HERBERT BAUERSFELD, A.B., M.D. <i>Clinical Instructor in Medicine</i>	3726 Connecticut Ave.
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Nicholas A. Mandelos, M.D.	John Minor, A.B., M.D.

Leo T. Brown, M.D.	Maurice Protas, A.B., M.D.
A. Fife Heath, M.D.	Bernard L. Hardin, Jr., A.B., M.D.
Theodore Judson Abernethy, B.S., M.D.	Louis Ross, M.D.
Austin Brockenbrough Chinn, M.D.	Luther Henry Snyder, A.B., M.D.
Joseph Francis Elward, Phar.D., M.D.	Stuart O. Foster, A.B., M.D.
Richard Bernard Castell, A.B., M.D.	John Charles Reisinger, M.D.
George Paul Lemeschewsky, A.B., M.D.	Emil Herbert Bauersfeld, A.B., M.D.
John Watkins Trenis, M.D.	William Heman Clements, A.B., M.D.
Charles Troll Carroll, A.B., M.D.	John Ellsworth Everett, A.B., M.D.
Bernard Walter Leonard, B.S., M.D.	Gilbert Britt Rude, M.D.
Paul Abraham Lichtman, M.D.	John Bayne Marbury, M.D.
Benjamin Manchester, M.D.	

DEPARTMENT OF DERMATOLOGY AND SYPHILOLOGY

Harry Ford Anderson, A.B., M.D., <i>Chief of Service</i>	
George W. Creswell, A.B., M.D.	Theodore C. Chen Fong, M.D.
Hayden Kirby-Smith, B.S., M.D.	Russell Joseph Fields, B.S., M.D.

DEPARTMENT OF NEUROLOGY

Walter Freeman, Ph.D., M.D., <i>Chief of Service</i>	
James Winston Watts, B.S., M.D.	Hyman David Shapiro, M.D.
Alexander Simon, A.B., M.D.	Zigmond Meyer Lebensohn, B.S., M.D.

DEPARTMENT OF PSYCHIATRY

Winfred Overholser, A.B., M.D., <i>Chief of Service</i>	
Roscoe Willis Hall, Ph.B., M.D.	Harriet E. Twombly, A.B., M.D.
John Edward Lind, M.D.	Addison McGuire Duval, M.D.
Paul Jacob Ewerhardt, M.D.	Samuel Alexander Silk, Phar.G., M.D.
Alice Heyl Kiessling, A.B., M.D.	Edgar Deutcher Griffin, A.B., M.D.
Solomon Katzenelbogen, M.D.	

DEPARTMENT OF SURGERY

Charles Stanley White, M.D., <i>Chief of Service</i>	
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Arch Lockhart Riddick, B.S., M.D.	William Warren Sager, M.S., M.D.

William Berry Marbury, M.D.	Crenshaw Douglas Briggs, B.S., M.D.
Custis Lee Hall, M.D.	William Wiley Chase, A.B., M.D.
Julius Salem Neviasser, A.B., M.D.	Nathan Norman Smiler, M.D.
Benjamin F. Dean, Jr., M.S., M.D.	Richard K. Thompson, D.D.S.
Alec Horwitz, M.S., M.D.	Edward Alexander Cafritz, M.D.
Charles Wilbur Hyde, M.D.	Hazen Eugene Cole, B.S., M.D.
Francis George Speidel, M.D.	James Lloyd Collins, A.B., M.D.
Philip Oscar Pelland, M.D.	William Ross Morris, M.D.
Stewart Maxwell Grayson, M.D.	Arthur James Mourrot, B.S., M.D.
Joseph Francis Conlon, D.D.S.	Otto Anderson Engh, M.D.
Donald Harrison Stubbs, A.M., M.D.	

## DEPARTMENT OF UROLOGY

Frederick August Reuter, M.D., *Chief of Service*

Thomas C. Thompson, B.S., M.D.	Charles Perry Howze, M.D.
Alan Jeffries Chenery, M.D.	Gilbert Ottenberg, A.M., M.D.
William Glenn Young, M.D.	Gerald Arthur Hopkins, B.S., M.D.

## DEPARTMENT OF OPHTHALMOLOGY

William Thornwall Davis, M.D., *Chief of Service*

George Victor Simpson, M.D.	Edgar L. Goodman, M.D., M.M.S.
Ernest A. W. Sheppard, M.D.C.M.	Ronald Atmore Cox, A.B., M.D.

## DEPARTMENT OF OTO-RHINO-LARYNGOLOGY

Daniel Bruce Moffett, A.B., M.D., *Chief of Service*

William Herndon Jenkins, M.D.	Aubrey David Fischer, M.D.
Leroy Lee Sawyer, Jr., A.B., M.D.	Jeter Carroll Bradley, M.D.
David Davis, A.B., M.D.	Lyman Brooke Tibbets, Phar.D., M.D.
Don R. Johnson, LL.B., M.D.	Joel Norton Novick, M.S., M.D.

## DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Howard Francis Kane, A.B., M.D., *Chief of Service*

Radford Brown, M.D.	Joseph Harris, A.B., M.D.
Elijah White Titus, Phar.D., M.D.	Harry Samuel Douglas, A.B., M.D.
Jacob Kotz, M.D.	William Dandridge Terrell, Jr., M.D.
Henry Laurant Darner, A.B., M.D.	Barton Winters Richwine, M.D.
Herbert Percy Ramsey, A.B., M.D.	Laurence Lee Cockerille, M.D.



William Preston Haynes, A.B., M.D.	Clayton Howard Hixson, M.D.
George Nordlinger, A.B., M.D.	Henry J. R. McNitt, B.S., M.D.
William Raymond Thomas, M.D.	Bernard Notes, M.D.
Helen Gladys Kain, B.S., M.D.	Howard Pope Parker, M.D.
Esther A. Nathanson, A.B., M.D.	Roger O'Donnell, Jr., A.B., M.D.
Samuel Mayer Dodek, A.M., M.D.	James Albert Dusbabek, M.D.
Katherine Elizabeth Parker, A.M., M.D.	Floyd Sterling Rogers, Jr., M.D.

CENTRAL LABORATORY

Roger Morrison Choisser, B.S., M.D., *Director*

LABORATORY TECHNICIANS

Marie T. Woodwell, M.T.	Margaret M. Stack, M.T.
Theodosia V. Foxwell, M.T., S.R.N.	

NURSING STAFF

Eleanor Morrow Schwinn, R.N., *Superintendent of Nurses*  
Florence Newman, R.N., *Night Supervisor*  
Dorothy Swiger, R.N., *Obstetrical Supervisor*

RESIDENT STAFF

Brooks Gideon Brown, Jr., M.D., *Resident Physician*  
Paul Fredericq Dickens, Jr., M.D., *Resident Physician*  
Robert Ervin Coker, Jr., M.D., *Intern*  
Claude Everett Cooper, M.D., *Intern*  
Vernon Andrew Stehman, M.D., *Intern*  
William Elroy Storer, M.D., *Intern*  
Eugene Lorenzo Willard, M.D., *Intern*

ADMINISTRATION

Walter Andrew Bloedorn, *Medical Director*  
Helen Pauline Swanson, *Secretary to the Medical Director*  
Margaret Scruggs French, *Record Librarian*  
Catherine Elta Nichols, *Cashier-Bookkeeper*  
Margaret Smith Greene, *Cashier-Bookkeeper*  
Mary Hold Philbrick, *Dietitian*  
Virginia Duffey, A.B., *Dispensary Clerk*

## TECHNICAL ASSISTANTS

Leopold Henry Forster, *Pharmacist*William Grant Lawson, *X-ray Technician*MEMBERS OF THE STAFF OF THE SCHOOL OF MEDICINE  
ASSIGNED TO THE GALLINGER HOSPITAL SERVICE\*Perceval Sherer Rossiter, M.D., *Chief of Staff*Charles Stanley White, M.D., *Head, Department of Surgery*Howard Francis Kane, A.B., M.D., *Head, Department of Obstetrics  
and Gynecology*

## DEPARTMENT OF MEDICINE

## GENERAL MEDICINE

Harry Filmore Dowling, A.B., M.D., *Chief of Service*Austin Brockenbrough Chinn, M.D., *Chief of Service*Walter Kendall Myers, B.S., M.D., *Chief of Service*Theodore Judson Abernethy, B.S., M.D., *Chief of Service*Coursen Baxter Conklin, A.M., M.D., *Associate*A. Fife Heath, M.D., *Associate*Clayton Bernard Ethridge, M.D., *Associate*George Paul Lemeschewsky, A.B., M.D., *Associate*Bernard Lauriston Hardin, Jr., A.B., M.D., *Associate*Clarence Richard Hartman, M.D., *Associate*Benjamin Manchester, M.D., *Associate*John Watkins Trenis, M.D., *Associate*Charles Troll Carroll, A.B., M.D., *Associate*William Heman Clements, A.B., M.D., *Associate*

## TUBERCULOSIS

Frank Adelbert Hornaday, M.S., M.D., *Consultant*Nicholas Athanasiou Mandelos, M.D., *Consultant*

\* The Department of Medicine and the Department of Laboratories are under the direction of Georgetown University Medical School according to the Gallinger agreement.

PEDIATRICS

Margaret Mary Nicholson, A.B., M.D., *Chief of Service*  
John Howell Peacock, B.S., M.D., *Visiting Physician*

CONTAGIOUS DISEASES

Mabel Harlakenden Grosvenor, A.B., M.D., *Chief of Service*  
Reginald Henry Mitchell, M.D., *Visiting Physician*

DERMATOLOGY

Russell Joseph Fields, B.S., M.D., *Visiting Physician*  
Hayden Kirby-Smith, B.S., M.D., *Visiting Physician*

DEPARTMENT OF SURGERY

GENERAL SURGERY

William Warren Sager, M.S., M.D., *Chief of Service*  
Paul Stirling Putzki, M.D., *Chief of Service*  
Alec Horwitz, M.S., M.D., *Chief of Service*  
William Wiley Chase, A.B., M.D., *Chief of Service*  
Benjamin Franklin Dean, Jr., M.S., M.D., *Associate*  
Hazen Eugene Cole, B.S., M.D., *Associate*  
James Lloyd Collins, A.B., M.D., *Associate*  
Arthur James Mourot, B.S., M.D., *Associate*

ORTHOPEDICS

Philip Oscar Pelland, M.D., *Visiting Surgeon*  
Julius Salem Neviaser, A.B., M.D., *Visiting Surgeon*

OPHTHALMOLOGY

Ernest Alfred Watson Sheppard, M.D.C.M., *Visiting Surgeon*  
George Victor Simpson, M.D., *Visiting Surgeon*  
Edgar Leonard Goodman, M.D., M.M.S., *Visiting Surgeon*  
Ronald Atmore Cox, A.B., M.D., *Visiting Surgeon*

OTOLARYNGOLOGY

Don R. Johnson, LL.B., M.D., *Visiting Surgeon*  
David Davis, A.B., M.D., *Visiting Surgeon*  
Lyman Brooke Tibbets, Ph.D., M.D., *Visiting Surgeon*  
Joel Norton Novick, M.S., M.D., *Visiting Surgeon*



## UROLOGY

Thomas Carlton Thompson, B.S., M.D., *Chief of Service*  
Gilbert Ottenberg, A.M., M.D., *Visiting Surgeon*  
Alan Jeffries Chenery, M.D., *Visiting Surgeon*

## ANESTHESIA

Cline N. Chipman, M.D., *Chief of Service*  
Charles Wilbur Hyde, M.D., *Visiting Surgeon*

## THORACIC SURGERY

William Ross Morris, M.D., *Consultant*

## DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

## OBSTETRICS

Joseph Harris, A.B., M.D., *Chief of Service*  
William Raymond Thomas, M.D., *Chief of Service*  
George Nordlinger, A.B., M.D., *Chief of Service*  
Samuel Mayer Dodek, A.M., M.D., *Chief of Service*  
Bernard Notes, M.D., *Associate*  
Howard Pope Parker, M.D., *Associate*  
William Dandridge Terrell, M.D., *Associate*  
James Albert Dusbabek, M.D., *Associate*

## GYNECOLOGY

Radford Brown, M.D., *Chief of Service*  
Herbert Percy Ramsey, A.B., M.D., *Chief of Service*  
Laurence Lee Cockerille, M.D., *Chief of Service*  
Clayton Howard Hixson, M.D., *Chief of Service*  
Bernard Notes, M.D., *Associate*  
Roger O'Donnell, Jr., A.B., M.D., *Associate*  
Floyd Sterling Rogers, Jr., M.D., *Associate*

## DEPARTMENT OF PSYCHIATRY AND NEUROLOGY

## PSYCHIATRY

Roscoe Willis Hall, Ph.B., M.D., *Visiting Physician*  
Harriet Elizabeth Twombly, A.B., M.D., *Visiting Physician*

NEUROLOGY

Walter Freeman, Ph.D., M.D., *Visiting Physician*  
Hyman David Shapiro, M.D., *Visiting Physician*  
James Winston Watts, B.S., M.D., *Visiting Physician*  
Zigmond Meyer Lebensohn, B.S., M.D., *Visiting Physician*

DEPARTMENT OF LABORATORIES AND RADIOLOGY

PATHOLOGY

Roger Morrison Choisser, B.S., M.D., *Visiting Pathologist*  
Thomas Martin Peery, A.B., M.D., *Visiting Pathologist*

SPECIAL CONSULTANTS

Walter Andrew Bloedorn, A.M., M.D., *Consultant in Medicine*  
Daniel Bruce Moffett, A.B., M.D., *Consultant in Oto-rhino-laryngology*  
Harry Hampton Donnally, A.M., M.D., *Consultant in Pediatrics*  
Harry Ford Anderson, A.B., M.D., *Consultant in Dermatology and Syphilology*  
William Thornwall Davis, M.D., *Consultant in Ophthalmology*  
Winfred Overholser, A.B., M.D., *Consultant in Psychiatry*  
Frederick August Reuter, M.D., *Consultant in Urology*

GENERAL INFORMATION

INTRODUCTORY

The School of Medicine of The George Washington University was opened in March 1825; of the medical schools now in existence in the United States, it is the eleventh in chronological order of founding. The University Hospital and Dispensary were established in 1898 and made a part of the organization of the School.

The School is a member of the Association of American Medical Colleges and is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association. The degrees of the School of Medicine are recognized by all State examining boards.

LOCATION AND ADVANTAGES

The city of Washington, with more than a half-million inhabitants, provides ample clinical material. The University Hospital and Dispensary furnish clinical facilities and a large proportion of the materials studied in the courses in Pathology and Clinical Microscopy.

The Library of the Surgeon General's Office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library, as well as the Library of Congress, the Public Library, and the many excellent libraries of the various Government departments, is open to medical students.

The Army Medical Museum affords opportunity for studying the conditions met in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequaled by any other museum in this country. The Museum of Hygiene, the National Museum, the Smithsonian Institution, the Botanic Gardens, and the Department of Agriculture all afford opportunities for study in Medicine and its allied sciences.

#### EQUIPMENT

*Medical School Building.*—The building housing the School of Medicine is a modern, five-story structure with lecture rooms and classrooms, laboratories, and students' rooms, equipped with modern improvements. A four-story laboratory building is adjacent to the main medical building.

*Laboratories.*—The major laboratories are for Anatomy, Histology and Embryology, Bacteriology, Hygiene and Preventive Medicine, Biochemistry, Pathology, Pharmacology and Physiology, and Clinical Microscopy. They are fully equipped to enable students to pursue adequately the laboratory courses and to acquire the technical skill necessary in modern clinical and investigative work.

*Medical Library.*—The Library contains a selected reference collection of more than 3,000 volumes, and provision is made to add to it the important new medical works. The principal medical periodicals are received regularly.

For purposes of advanced study and research the Library of the Surgeon General of the Army is available to all students and teachers through a service maintained by the Medical School Library.

#### CLINICAL FACILITIES

*The University Hospital and the University Dispensary.*—The Hospital and Dispensary are part of the educational equipment of the University. They are adjacent to the School of Medicine and are controlled by the Faculty of Medicine. The Dispensary has a large outpatient service in all departments, to which several thousand visits are made annually. The Faculty believes that clinical teaching should be thoroughly systematized. To this end, all clinics are under the supervision of the Dean, who is also Medical Director of the Hospital. This insures the highest possible utilization of available clinical material for teaching purposes and the proper supervision of clinicians and students;



it brings the individual student into direct contact with patients and requires him to do, under authoritative supervision, the clinical and laboratory work necessary for diagnosis and treatment; and it permits proper interpretation of the conditions occurring during the progress of cases and promotes the keeping of adequate records. Clinical and clinicopathological conferences are held in which the history of cases, the physical findings, laboratory records, and the post-mortem pathology when available, are presented and correlated. The Dean assigns the students to the different clinics, and supervises the records, the attendance, and the instruction of students. Fourth-year students are assigned in rotation by sections for clinical instruction in the Dispensary.

*Gallinger Municipal Hospital.*—Clinical instruction is available in all branches of Medicine. A great wealth of clinical material is afforded in this hospital by ordinance of the municipal authorities of the District of Columbia, whereby one half of the patients are assigned for treatment and clinical teaching to members of the Faculty of this School, nominated by this University. Third-year students serve their clinical clerkships at this institution.

*Children's Hospital.*—Clinical instruction in Pediatrics, Dermatology, and Orthopedic Surgery.

*Emergency Hospital and Central Dispensary.*—Clinical instruction in Medicine, Surgery, Obstetrics and Gynecology, and the specialties.

*Garfield Memorial Hospital.*—Clinical instruction in Gynecology and Obstetrics.

*St. Elizabeths Hospital.*—Clinical instruction in mental and nervous diseases, medicine, post-mortem work, and gross pathology. This hospital, with four thousand beds, is maintained by the United States Government. The psychiatric clinic is one of the largest in the world.

*The Episcopal Eye, Ear and Throat Hospital.*—Clinical instruction in Ophthalmology, Otology, Rhinology, and Laryngology.

#### RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY, MEDICAL UNIT

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of War, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the students in the unit.

Membership in the Unit is voluntary and is open to any physically fit male student who is a citizen of the United States. The instruction is divided into two courses, the basic and the advanced, two years each. Students who satisfactorily complete the basic course may, up to the quota allowed by the War Department, and if they choose, enter the advanced course. Students who enter the advanced course receive pay from the Government amounting to approximately \$200. They are obligated to complete the course and to attend one summer camp of

instruction for six weeks, for which the students will receive pay at the rate of \$21 a month and travel allowances, and for which they will be provided with all camp equipment, uniforms, and medical attention. Students who successfully complete the course are recommended for commission in the Medical Section, Officers' Reserve Corps, provided they desire appointment. Graduates may, after completion of one year's internship in a civil hospital, compete in the examinations held yearly for appointment as first lieutenant in the Medical Corps of the Regular Army.

#### ADMISSION

The minimum requirement for admission is two years of college work, totaling at least sixty semester-hours, taken in an accredited college of arts and sciences.

Students planning to complete premedical-college work in The George Washington University and later make application to the George Washington University School of Medicine must complete all the requirements for the Junior Certificate granted by the Junior College.

#### SPECIFIC EDUCATIONAL REQUIREMENTS

##### SECONDARY SCHOOL REQUIREMENTS

Of the fifteen secondary school units required, three must be in English, two in one foreign language (ancient or modern), one in Algebra, one in Geometry, one in History, and one in Science (Botany, Chemistry, Physics, or Zoology). Eleven of the units offered must be in English, foreign language, Mathematics, Science, and History.

##### PREMEDICAL COLLEGE REQUIREMENTS

###### *Sixty Semester-Hours*

1. Chemistry, twelve semester-hours as follows: (a) eight semester-hours of General Inorganic Chemistry, of which at least four semester-hours are laboratory work (Qualitative Analysis may be counted as General Inorganic Chemistry); (b) four semester-hours of Organic Chemistry, of which two semester-hours are laboratory work. It is strongly recommended, however, that an additional four semester-hours of Organic Chemistry be taken.

2. Physics, eight semester-hours, of which at least two semester-hours are laboratory work. It is recommended that this course be preceded by one in Trigonometry.

3. Biology, eight semester-hours, of which at least four semester-hours are laboratory work. This requirement may be satisfied by a course of eight semester-hours in either General Biology or Zoology, or by a course

of four semester-hours each in Zoology and Botany, but not by Botany alone.

4. English composition and literature, six semester-hours: the usual introductory college course, or its equivalent. The student should develop facility in speaking and writing English.

5. Modern foreign language: a reading knowledge, preferably of French or German.

6. Electives. It is recommended that the remaining semester-hours required include: (a) Comparative Vertebrate Anatomy; (b) Qualitative and Quantitative Chemical Analysis; (c) Social Science and Psychology.

No student will be accepted with any condition in college work.

#### APPLICATION FOR ADMISSION

1. Full directions for application will be furnished on request. The applicant should ask the registrar of each college previously attended to send an official transcript of record to the Director of Admissions, The George Washington University. Photostatic copies of credentials without the original signature of the certifying authority are not satisfactory.

2. A recent photograph, with signature, is required of each applicant.

3. As the number of qualified applicants for admission to the School each year far exceeds its capacity, it is urged that, in order to facilitate consideration of their applications, candidates for admission secure from the colleges attended completely compiled premedical credentials and forward them for evaluation as long a time as possible before the opening of the School of Medicine in September.

4. A fee of \$3 to defray the costs of completing the records for final consideration for admission must accompany each application.

#### ADVANCED STANDING

Students who have satisfactorily attended one or more years at any other "class A" medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing. No student, however, will be admitted to advanced standing in the senior class.

#### REGISTRATION AND ADMISSION TO CLASSES

Registration in the School of Medicine is for a period of one year. After the student has entered the courses of instruction he is obligated for the full tuition for the year. No part of the tuition will be refunded upon withdrawal or dismissal for any cause. Acceptance by the School of a student's fees does not in any way obligate the School to accept the



student for any subsequent year, and the right is reserved to drop any student from the School whenever, in the interest of the student or the School, the Faculty deems it advisable to do so.

Students are admitted to classes on presentation of the Comptroller's ticket, which is issued when all required fees have been paid.

### FEES AND FINANCIAL REGULATIONS

The following fees are prescribed by statute:

University fee, for each semester or for any part thereof.....	\$8.00
Tuition fee, per annum.....	534.00
Fee for special examinations, for each subject.....	5.00
Graduation fee .....	20.00

### UNIVERSITY FEE

Payment of the University fee, charged all students, secures to them the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the services of the Placement Office; (3) the use of the University library facilities, except as otherwise designated; (4) gymnasium privileges and the use of the University playing fields; (5) admission to all athletic contests, unless otherwise specified; (6) subscription to the *University Hatchet*, the student newspaper; (7) admission to University debates; (8) medical attention and hospital services administered by the Department of Health Administration (see pages 33-34). These privileges, however, with the exception of the issuance of transcripts, terminate, and a student is no longer in residence, when he withdraws or is dropped from the University.

### PAYMENT OF FEES

Fees for each semester (including the University fee) are \$275, payable in advance.

All fees are payable at the Office of the Cashier of the University, 725 Twenty-first Street NW. Fees due must be paid at the time of registration; no student is permitted to complete registration or to attend classes until fees are paid.

On account of the many applications for admission, and as the size of each class is limited, places can be reserved only for those qualified applicants who remit a deposit of \$100 which will be credited toward the tuition of the first semester. Should unusual circumstances arise whereby the matriculant is unable to attend, this initial payment, less a charge of \$50 for registration, transfer, etc., will be returned up to one month before the opening of the session.

Students will be required to pay for injury to apparatus and other University property. All breakage and loss not directly traceable to an

individual student are assessed pro rata. Each student is required, at the completion of laboratory courses, to replace or pay for all articles of equipment which he has lost, broken, or destroyed. Credit for work will not be given until this is done.

#### **COST OF TEXTBOOKS AND STUDENT EQUIPMENT**

The minimum cost of necessary textbooks and student equipment (microscope, drawing materials, glass slides, clinical thermometer, stethoscope, hemocytometer, etc.) is approximately as follows: first year, \$150; second year, \$87; third year, \$60; fourth year, \$60; total, \$357.

#### **LIVING ACCOMMODATIONS**

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins.

All women students under twenty-three years of age must have their residences approved by the Director of Personnel Guidance. Registration is not complete until such approval is given.

The Hattie M. Strong Residence Hall is open to women students. Charges for rooms in Strong Hall for the academic year (September 15 to June 1) are as follows: In a single room with breakfast and dinner, \$425.00; in a double room with breakfast and dinner, \$365.50. Arrangements may be made to defray dormitory charges in monthly payments. Forms for application for room reservations, together with detailed information about the dormitory, may be obtained from the Director of Personnel Guidance.

The University has no dormitory for men. For the benefit of men students a register of rooms that have been inspected and approved is kept in the Office of the Director of Personnel Guidance, to whom inquiries in respect to housing facilities should be addressed. Single rooms usually range in price from \$20.00 to \$30.00 a month, and double rooms from \$10.00 to \$20.00 a month a person. Rooms with board consisting of breakfast and dinner cost from \$40.00 to \$50.00 a month a person.

The men's fraternities have houses which provide living accommodations for their members.

#### **SCHOLARSHIPS, PRIZES, LOAN FUNDS**

The John Hitz Metzgerott Scholarship is available to students in the School of Medicine.

The William Thornwall Davis Prize, consisting of a current monograph or set of monographs dealing with the field of ophthalmology, is

awarded annually to the student doing the most outstanding work in Ophthalmology.

The Ordronaux Prize of \$80 is awarded to the member of the graduating class of the School of Medicine who has completed the four-year medical course with the highest scholastic standing.

The following loan funds are available to students in the School of Medicine: Daughters of the American Revolution Loan Fund and the Henry Strong Educational Foundation Loan Fund.

For particulars regarding scholarships, prizes, and loan funds, address the Chairman of the Faculty Committee on Student Loans and Scholarships, The George Washington University.

### GENERAL REGULATIONS

*Students in the School of Medicine are subject to, and are expected to familiarize themselves with, the general University regulations stated in The University Catalogue.*

#### ATTENDANCE

Absence consists in being away from a class or clinic during a scheduled period, entering after the class or clinic has begun, or leaving before either is dismissed.

Absence is not allowed unless an excuse is obtained from the Dean or the instructor.

Excuse for absence due to sickness must be accompanied by a certificate signed by the attending physician and must be filed in the Office of the Dean.

For every unexcused absence a department will deduct one half of one per cent from the student's final grade in the subject involved.

#### GRADES

Proficiency in all subjects is marked on a basis of *A* (90-100); *B* (80-90); *C* (75-80); *D* (65-74), condition; *E* (below 65), failure; *I*, incomplete. The passing grade in each subject is *C*.

#### ADVANCEMENT

Any student who has satisfactorily completed the required work of the first, second, or third year of the course and has passed all examinations is eligible for advanced standing, if approved by the Committee on Scholarship. No student may be enrolled for the clinical work of the third and fourth years without first having qualified in all the preclinical sciences.



FAILURE

A student who has failed in any subject will not be advanced until such failure is removed and then only by authority of the Committee on Scholarship. All conditions must be removed at the next make-up examination period provided for this purpose.

EXAMINATIONS

Examinations, which may be written, oral, or practical, will be held at the end of the first semester and at the end of the academic year.

A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination, except by special permission of the Committee on Scholarship. For make-up examinations to remove conditions, a fee of \$5 will be charged for each subject.

SPECIAL UNDERGRADUATE AND GRADUATE ADVANTAGES  
IN THE SCHOOL OF MEDICINE

HEALTH ADMINISTRATION

The payment of the University fee entitles students to health services hereinafter described. Through reports from the students and University officials, the University attempts to keep informed as to all cases of illness among its students. This service is primarily diagnostic in its intent. It also provides first aid in the event of an emergency.

Medical privileges include: (1) the physical examination of all students entering from secondary schools;\* (2) three visits by the University physician or surgeon, office or residence (District of Columbia) in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and nursing in the University Hospital for not more than two weeks during a school year—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not apply to illness or disability incurred previous to the University term or prior to payment of the University registration fee.

Students are allowed, if they so desire, to engage physicians and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has

\* A charge of \$2 is made if a student fails to appear for a physical examination during the period set for this purpose.

by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) students who have severed their connection with the University are ineligible for medical benefits; (4) students intending to train for athletic teams are required to pass a thorough examination at the beginning of each semester; (5) the above regulations apply also during the Summer Sessions of the University.

#### PHYSICAL EXAMINATIONS

All first-year students are given a comprehensive physical examination by the Department of Health Administration upon admission to the School of Medicine. The students are informed of the findings and advised regarding such measures as will tend to maintain a high standard of health.

#### HOSPITAL APPOINTMENTS

Interns are appointed annually in the University Hospital. Similar appointments are made to graduates and undergraduates of this School in the following hospitals of the District: Casualty Hospital; Children's Hospital; Columbia Hospital for Women; Emergency Hospital; Episcopal Eye, Ear and Throat Hospital; Gallinger Municipal Hospital; Garfield Memorial Hospital; Providence Hospital; St. Elizabeths Hospital; Sibley Hospital; and Walter Reed United States Army General Hospital.

Students who, after graduation, desire internships in hospitals outside the District of Columbia should apply directly to the institutions which they wish to enter. A list of hospitals approved for intern training is published annually in the *Journal of the American Medical Association*, and a copy of the list may be consulted in the Office of the Dean.

#### COMMISSION ON LICENSURE, DISTRICT OF COLUMBIA

Graduates who wish to take the examinations of the Commission on Licensure, District of Columbia, or desire to use the District license for reciprocity with the states, should apply to the Secretary, Commission on Licensure, Healing Arts Practice Act, District Building, Washington, D. C.

#### UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905. All alumni and members of the Faculty are eligible for membership on election. Meetings of the Society are held in the School of Medicine on the third Saturday evening of each month from October to May. Senior students may be invited to attend the meetings of this Society.

### DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments: Anatomy; Bacteriology, Hygiene, and Preventive Medicine; Biochemistry; Dermatology and Syphilology; Experimental Medicine; Medicine; Military Science and Tactics; Neurology; Obstetrics and Gynecology; Ophthalmology; Oto-rhino-laryngology; Pathology; Pediatrics; Pharmacology and Therapeutics; Physiology; Psychiatry; Surgery; and Urology.

### CLINICS

Courses of clinical instruction are included in the announcements of the clinical departments. The Dean prepares schedules of clinics and of student section assignments to the various hospitals and dispensaries.

### COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 37.

### THE DEGREE OF DOCTOR OF MEDICINE

Upon the satisfactory completion of the requirements of the School of Medicine, the degree of Doctor of Medicine is conferred. The degree of Doctor of Medicine given by this University is recognized by all state examining boards in the United States.

### REQUIREMENTS FOR THE DEGREE

Every candidate for graduation with the degree of Doctor of Medicine must be at least twenty-one years of age, of reputable character, and free of all indebtedness to the University. He must have satisfied the admission requirements, completed satisfactorily not less than four years of study as a matriculated student in Medicine, completed all required courses, and passed satisfactorily all prescribed examinations. *Particular attention is called to the statement of graduation requirements in the University Catalogue.*

### COMBINED ARTS AND MEDICINE CURRICULUM

Candidates register in the Junior College for the freshman and sophomore years of the premedical curriculum and in Columbian College for the junior year. In order to be recommended for the degree of Bachelor of Arts, candidates must complete at least ninety-four semester-hours of prescribed college work including Physical Education (at least thirty semester-hours and one year of residence must be completed in



Columbian College), and the first year of the medical curriculum. Upon completion of the fourth year in the medical curriculum the student becomes eligible for the degree of Doctor of Medicine.

#### PLAN OF INSTRUCTION

Each year of the medical curriculum is divided into two semesters of sixteen weeks each. The curriculum for the degree of Doctor of Medicine must begin with the fall semester.

Under the order of the work there is a coordination in the offerings of the several departments which enables the student to concentrate his attention upon the subject materials in such a way that they can be readily understood and recognized as integrated parts of a unified training. The salient features in the method of instruction are thorough laboratory training, demonstrations, and clinical teaching, with recitations and lectures to clarify the many problems presented. The clinical material in the various hospitals and out-patient departments is utilized to the fullest extent for both clinical instruction and laboratory work.

#### HONORS

Candidates who have completed the four-year medical course with an average grade of *A* may be recommended for graduation "with distinction".

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For application blanks, and further information, address the Director of Admissions, The George Washington University, Washington, D. C.

## COURSES OF INSTRUCTION

On the following pages of this BULLETIN, under the alphabetically arranged names of the departments of instruction, are listed the courses of instruction offered by the School of Medicine in the academic year 1940-41. The courses here listed are subject to some slight change. The University reserves the right to withdraw any course announced.

### EXPLANATION OF COURSE NUMBERS AND SYMBOLS

The number which precedes the name of a course indicates the semester in which that course is offered. An odd number indicates that the course is offered in the first semester; an even number, that it is offered in the second semester; and a double number (e.g., 343-44), that it begins in the first semester and continues in the second.

A number in parentheses after the name of a nonprofessional course indicates semester-hours of credit.

A dagger (†) preceding the number of a year course indicates that the course may not be entered in the second semester and that credit will not be given until the work of both semesters has been completed.

First-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and fourth-year courses, from 401 to 500.

## ANATOMY

Claude Matthews MacFall, LL.B., Ph.D., *Professor of Anatomy, Acting Executive Officer*  
 Paul Calabrisi, A.B., *Instructor in Anatomy*  
 Vern Zech, M.D., *Instructor in Anatomy*

- |       |   |                          |
|-------|---|--------------------------|
| 101   | <b><i>Gross Anatomy</i></b><br>This course consists of instruction in osteology, followed by the careful dissection and study of the entire body. Fifteen hours a week.     | <b>MacFall and Staff</b> |
| 103   | <b><i>Histology and Embryology</i></b><br>This course includes the histogenesis and microscopic structure of the tissues and organs of the human body. Twelve hours a week. | <b>The Staff</b>         |
| 104   | <b><i>Neuro-Anatomy</i></b><br>Fifteen hours a week.  | <b>The Staff</b>         |
| 203-4 | <b><i>Research</i></b><br>Hours and credits to be arranged.   | <b>The Staff</b>         |
| 300   | <b><i>Surgical Anatomy (elective)*</i></b><br>Two hours a week.   | <b>The Staff</b>         |

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\* This course is given in collaboration with the Department of Surgery.



## BACTERIOLOGY, HYGIENE, AND PREVENTIVE MEDICINE

Leland Wilbur Parr, Ph.D., *Professor of Bacteriology, Executive Officer*

Angus MacIvor Griffin, Ph.D., *Assistant Professor of Bacteriology*

Alden Franklin Roe, Sc.D., *Assistant Professor of Bacteriology*

112 *General Bacteriology (4)*

Roe

A study of the fundamentals of bacteriology, including industrial and hygienic applications. Several groups of bacteria, yeasts, and molds are studied in the laboratory. Tues., Thurs., and Sat., 9:10 A.M. to 12:00 M.

205 *Advanced Bacteriology*

Roe

Prerequisite: Bacteriology 112. Hours and credits to be arranged.

209 *Bacteriology and Immunology*

Parr, Griffin

A thorough grounding in bacteriological technique and a comprehensive study of micro-organisms related to medical and hygienic problems. Methods of diagnosis are stressed and immunological procedures and theory fully treated. Eighteen hours a week for ten weeks.

210 *Immunology and Serology (elective)*

Griffin

Prerequisite: Bacteriology 112 or 209. Hours and credits to be arranged.

212 *Intestinal Bacteriology*

Parr

Prerequisite: Bacteriology 112 or 209. Hours and credits to be arranged. (Offered in 1940-41 and alternate years.)

214 *Bacteriological Ecology*

Parr

Prerequisite: Bacteriology 112 or 209. Hours and credits to be arranged. (Offered in 1941-42 and alternate years.)

303-4 *Research in Bacteriology*

The Staff

Hours and credits to be arranged.

305-6 *Staff Seminar*  
Biweekly.

The Staff

## HYGIENE AND PREVENTIVE MEDICINE

Roscoe Roy Spencer, A.B., M.D., *Adjunct Professor of Hygiene and Preventive Medicine, Coordinating Officer*

## SEMINAR LECTURERS

Charles Armstrong, B.S., M.D., Sc.D., *Professorial Lecturer in Preventive Medicine*

Selwyn Dewitt Collins, Ph.D., *Professorial Lecturer on Sanitary Science*

Rolla Eugene Dyer, A.B., M.D., *Professorial Lecturer in Preventive Medicine*

Leslie Carl Frank, C.E., *Professorial Lecturer on Sanitary Science*

Royd Ray Sayers, A.M., M.D., *Professorial Lecturer on Industrial Hygiene*

Ralph Edwin Tarbett, B.S., *Professorial Lecturer on Sanitary Science*

Raymond Aloysius Vonderlehr, M.D., *Professorial Lecturer in Preventive Medicine*

Louis Laval Williams, Jr., M.D., *Professorial Lecturer in Preventive Medicine*

Ralph Gregory Beachley, M.D., D.P.H., *Professorial Lecturer on Public Health Administration*

Sara Elizabeth Branham, Ph.D., M.D., Sc.D., *Professorial Lecturer in Preventive Medicine*

Alice Catherine Evans, M.S., M.D., Sc.D., *Professorial Lecturer in Preventive Medicine*

William Henry Sebrell, Jr., M.D., *Professorial Lecturer in Preventive Medicine*

Newton Edward Wayson, A.B., M.D., *Professorial Lecturer in Preventive Medicine*

## 220 Hygiene

## Spencer and Staff

The student is familiarized with the rapid present-day transition from curative to preventive medicine, the problems that are arising in the fields of medical ethics and medical economics, and the social aspects of medical practice or the ever-expanding duties of the general practitioner and of the profession as an integral group in our social structure. Two hours a week.

401 *Preventive Medicine\**

The Staff

The methods employed in the study of epidemics of the more important communicable and reportable diseases; analysis of the epidemiological data upon which are based our modern methods of prevention and control; and exposition of the general and specific measures of control usually employed by modern health units. Two hours a week.

402 *Public Health Practice*

The Staff

The student is afforded an opportunity to become familiar with preventive medicine as applied in actual health-department practice. Eight periods.

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\* Supplemented for exceptional students by summer field work in various health departments.



## BIOCHEMISTRY

Joseph Hiram Roe, Ph.D., *Professor of Biochemistry, Executive Officer*  
 Arnold Kent Balls, Ph.D., *Adjunct Professor of Enzymology*  
 Helen Marie Dyer, Ph.D., *Assistant Professor of Biochemistry*  
 Oliver John Irish, Ph.D., *Instructor in Biochemistry*  
 Alan Hisey, Ph.D., *Instructor in Biochemistry*

### 113-14 *Biochemistry*

Roe, Irish, Hisey

Lecture and laboratory course for first-year medical students. Physical-chemical phases of biochemistry, such as hydrogen-ion concentration, colloids, osmosis, and enzyme action. The biochemistry of carbohydrates, fats, and proteins; tissues; digestion; intestinal putrefaction; metabolism; urine; vitamins; endocrines. The biochemical methods of analysis of urine, blood, gastric juice, and feces. The diagnostic value of laboratory tests and the interpretation of laboratory findings in relation to disease. Tues. and Thurs., 1:00 to 5:00 P.M. Two lectures and two three-hour laboratory periods a week.

### 120 *Biochemistry of Foods and Nutrition* (4)

Dyer

Lecture and laboratory course designed particularly for students of the Department of Home Economics. Mon. and Wed., 1:30 to 4:30 P.M.

### 221-22 *Biochemistry* (4-4)

Dyer

Lecture and laboratory course for nonmedical students, similar in general content to Biochemistry 113-14. Prerequisite: Chemistry 152. Mon. and Wed., 9:00 A.M. to 12:00 M.

### 224 *Biochemistry of the Enzymes* (elective)

Balls

Lecture course dealing with the biochemistry of the enzymes and enzyme reactions. Prerequisite: Biochemistry 113 or 221. Wed., 4:45 P.M. One hour a week.

### 225 *Biochemical Preparations*

The Staff

Hours and credits to be arranged.

### 226 *Biochemical Laboratory Methods*

Roe, Irish

Hours and credits to be arranged.

227-28 *Biochemistry Seminar (1-1)*

Roe and Staff

Seminar course on the current literature in the field of biochemistry, mainly for graduate students, but open to a limited number of specially qualified medical students. Fri., 4:45 P.M.

229-30 *Research in Biochemistry*

Roe and Staff

Hours and credits to be arranged.

## DERMATOLOGY AND SYPHILOLOGY

Harry Ford Anderson, A.B., M.D., *Professor of Dermatology and Syphilology, Executive Officer*

George William Creswell, A.B., M.D., *Associate in Dermatology and Syphilology*

Russell Joseph Fields, B.S., M.D., *Associate in Dermatology and Syphilology*

Theodore Claremont Chen Fong, M.D., *Clinical Instructor in Dermatology and Syphilology*

Hayden Kirby-Smith, B.S., M.D., *Clinical Instructor in Dermatology and Syphilology*

Leslie Kieth MacClatchie, B.S., M.D., *Clinical Instructor in Dermatology and Syphilology*

### 313-14 *Dermatology and Syphilology*

Anderson

Didactic lectures and demonstrations of the most common skin diseases in all their manifestations, and of general and cutaneous syphilis, with special emphasis on its treatment. One hour a week.

### 316 *Neurosyphilis*

Fong

Didactic lectures on the subject of syphilis of the brain and spinal cord, emphasizing especially paresis and tabes, and including treatment. Venereal therapy is also thoroughly discussed. St. Elizabeths Hospital. One hour a week for eight weeks.

### 318 *Congenital Syphilis (elective)*

Fields

Children's Hospital. One section, one hour a week.

### 407-8 *Clinic*

The Staff

Emergency Hospital and University Hospital dispensary clinic.

### 409-10 *Clinic*

Anderson, MacClatchie

Children's Hospital. One section twice a week.



## EXPERIMENTAL MEDICINE

Edward Bright Vedder, A.M., M.D., Sc.D., *Professor of Experimental Medicine, Executive Officer*

Pearl Holly, M.S., M.D., *Associate in Experimental Medicine*

### 235-36 *Clinical Microscopy*

Vedder, Holly

Lectures and laboratory work covering aspects of diagnosis, including the study of urinalysis, blood-counting, blood diseases, feces, spinal fluids, Wassermanns, and parasitology. Three hours a week beginning in January.

### 414 *Tropical Medicine (elective)*

Vedder, Holly

This course consists of didactic lectures and demonstrations of the more common tropical diseases, with emphasis on their practical application to general medical practice. One hour a week.

## MEDICINE

Walter Andrew Bloedorn, A.M., M.D., *Professor of Medicine, Executive Officer*

Coursen Baxter Conklin, A.M., M.D., *Clinical Professor of Medicine*

Charles Robert Lee Halley, A.B., M.D., *Clinical Professor of Medicine*

Paul Frederick Dickens, M.D., *Clinical Professor of Medicine*

Harry Filmore Dowling, A.B., M.D., *Clinical Professor of Medicine*

Charles Powell Cake, M.D., *Adjunct Clinical Professor of Medicine*

Albert Joseph Sullivan, B.S., M.D., *Adjunct Clinical Professor of Medicine*

Frank Adelbert Hornaday, M.S., M.D., *Assistant Professor of Medicine*

John Alton Reed, A.B., M.D., *Associate in Medicine*

Watson William Eldridge, Jr., M.D., *Associate in Medicine*

Herman Solomon Hoffman, A.B., M.D., *Associate in Medicine*

John Minor, A.B., M.D., *Associate in Medicine*

Maurice Protas, A.B., M.D., *Associate in Medicine*

Walter Kendall Myers, B.S., M.D., *Associate in Medicine*

Theodore Judson Abernethy, B.S., M.D., *Associate in Medicine*

Austin Brockenbrough Chinn, M.D., *Associate in Medicine*

Clayton Bernard Ethridge, M.D., *Associate in Medicine*

Stuart Oliver Foster, A.B., M.D., *Associate in Medicine*

Bernard Lauriston Hardin, Jr., A.B., M.D., *Associate in Medicine*

A. Fife Heath, M.D., *Associate in Medicine*

Elmer Wink Fugitt, M.D., *Associate in Medicine*

Bernard Walter Leonard, B.S., M.D., *Associate in Medicine*

Nicholas Athanasiou Mandelos, M.D., *Clinical Instructor in Medicine*

Leo T. Brown, M.D., *Clinical Instructor in Medicine*

Joseph Francis Elward, Phar.D., M.D., *Clinical Instructor in Radiology*

Richard Bernard Castell, A.B., M.D., *Clinical Instructor in Medicine*

George Paul Lemeschewsky, A.B., M.D., *Clinical Instructor in Medicine*

John Charles Reisinger, M.D., *Clinical Instructor in Medicine*

Luther Henry Snyder, A.B., M.D., *Clinical Instructor in Medicine*

Emil Herbert Bauersfeld, A.B., M.D., *Clinical Instructor in Medicine*

Charles Troll Carroll, A.B., M.D., *Clinical Instructor in Medicine*

William Heman Clements, A.B., M.D., *Clinical Instructor in Medicine*

- John Ellsworth Everett, A.B., M.D., *Clinical Instructor in Medicine*  
 Paul Abraham Lichtman, M.D., *Clinical Instructor in Medicine*  
 John Bayne Marbury, M.D., *Clinical Instructor in Medicine*  
 Gilbert Britt Rude, M.D., *Clinical Instructor in Medicine*  
 Benjamin Manchester, M.D., *Clinical Instructor in Medicine*  
 John Watkins Trenis, M.D., *Clinical Instructor in Medicine*  
 Louis Ross, M.D., *Clinical Instructor in Medicine*

124 *Introductory Medical Clinics* Bloedorn and Staff  
 Part of a course on introductory medical and surgical clinics.

126 *History of Medicine* Halley  
 One hour a week.

241-42 *Physical Diagnosis* Conklin and Staff  
 Demonstrations and practice on the normal and abnormal subject; designed to cover the entire subject of physical diagnosis.

244 *General Medicine* Bloedorn, Halley  
 Lectures covering general aspects of all phases of medical disease, and including therapeutics. Three hours a week.

312 *Radiology and Radiotherapy* Elward  
 One hour a week.

323-24 *Clinical Physiology* Dickens  
 Lectures and clinics designed to promote the continuity of pre-clinical and laboratory study of physiology and its application to altered function as seen in the clinic; to link the laboratory to the clinic; and to teach the student to interpret the signs and symptoms of disease in terms of altered function. One hour a week.

325-26 *Clinical Clerkship* Halley, Dowling, and Staff  
 Individual case work under strict supervision (student's histories generally accepted as hospital records). Emergency and Gallinger hospitals.

327-28 *Clinical Pathological Conference* Bloedorn, Choisser  
 Correlation of clinical and post-mortem findings: detailed case descriptions from the clinical point of view, followed by thorough demonstrations, grossly and with lantern slides, of post-mortem findings. One hour a week.



- 417-18 *Physiotherapy*** **Eldridge**  
Lectures and demonstrations of the fundamentals of physical treatment and their applications to general medical diseases. St. Elizabeths Hospital.
- 419 *Medical Jurisprudence*** **Eldridge**  
Lectures on the legal and ethical rights of physicians, and on the legal problems with which the physician is brought into contact. One hour a week for eleven weeks.
- 421-22 *Dispensary Clinics*** **The Staff**  
Thorough study of individual cases subsequently reviewed in detail by the Staff. The University and Emergency hospitals.
- 423 *Clinics*** **Bloedorn and Staff**  
Discussion from the point of view of etiology, diagnosis, and treatment of the usual and more rare diseases, with special emphasis on differential diagnosis and the demonstration of clinical abnormalities found in various morbid processes. Medical School.
- 425-26 *Clinical Clerkship*** **Dickens and Staff**  
Individual case work under strict supervision (student's histories generally accepted as hospital records). The University Hospital.
- 427-28 *Clinical Pathological Conference*** **Bloedorn, Choisser**  
Same as Medicine 327-28.

## MILITARY SCIENCE AND TACTICS

Samuel Jay Turnbull, M.D., Colonel, Medical Corps, United States Army, *Professor of Military Science and Tactics*

129-30 *Basic Medical Course (elective)*

Turnbull

The National Defense Act of the United States; the mission of the R.O.T.C.; military obligations of citizenship; organization of the Army of the United States; organization of the Medical Department of the Army; military courtesies and customs of the Army; leadership; military sanitation and first aid; map reading; supply and mess management. One hour a week.

247-48 *Combat Training (elective)*

Turnbull

Tactics and technique of the separate arms; combat orders and solution of medical problems; service with medical detachments; organization and employment of the Medical Service; map-reading problems. One hour a week.

329-30 *Advanced Medical Course (elective)*

Turnbull

Military preventive medicine (physical examinations, relation of food and water to disease, prevention and control of communicable disease); general administration as applied to the Army; Medical Department administration; defense against chemical warfare; medical aspects of chemical warfare; aerial photo reading. One hour a week.

429-30 *Advanced Medical Course (elective)*

Turnbull

Military law, the law of military offenses; courts-martial; military hospitals; medical and surgical diseases peculiar to war; aviation medicine; the medical service of large forces including illustrative problems, duties, and relations of the medical service; rules of land warfare; the medical service of the corps; the medical service of a field force; Officers' Reserve Corps; property, emergency procurement, and funds. One hour a week.

## NEUROLOGY

Walter Freeman, Ph.D., M.D., *Professor of Neurology, Executive Officer*

James Winston Watts, B.S., M.D., *Associate Professor of Neurosurgery*

Hyman David Shapiro, M.D., *Associate in Neurology*

Alexander Simon, A.B., M.D., *Associate in Neurology*

Zigmond Meyer Lebensohn, B.S., M.D., *Clinical Instructor in Neurology*

### 249 *Neurology (elective)*

Freeman

Methods of study of the nervous system. Approach to an understanding of the function of the brain through gross and microscopic preparations, embryology, comparative anatomy, stimulation and extirpation, human pathology, etc. Laboratory demonstrations. One hour a week.

### 331 *Neurology*

Shapiro

Systematic lectures with lantern slides illustrating the chief neurologic syndromes and their anatomic bases. One hour a week for sixteen weeks.

### 333-34 *Neurology (elective)*

Freeman and Staff

Neurological out-patient clinic. Consultation of staff on ambulatory cases, demonstration of diagnostic procedures, disposition of neuropsychiatric cases. One hour a week.

### 431 *Neurosurgery (elective)*

Watts

Lectures and clinical demonstrations in surgery of the brain, spinal cord, and peripheral nerves. Emphasis is laid upon fundamentals and upon the possibilities of surgery in the relief of symptoms. One hour a week for sixteen weeks.

### 433-34 *Clinical Neurology*

Freeman

Lectures and demonstrations of patients illustrating the diagnosis and treatment of nervous disorders. The vast material of St. Elizabeths Hospital is drawn upon not only for the commoner disorders, but also for some of the unusual syndromes. One hour a week.

### 435-36 *Neurologic Examinations*

Freeman and Staff

Practical instruction in the examination of patients presenting nervous diseases. Each student is required to perform a detailed examination on six patients. St. Elizabeths Hospital. One-fourth of the class, two hours a week.



## OBSTETRICS AND GYNECOLOGY

- Howard Francis Kane, A.B., M.D., *Professor of Obstetrics and Gynecology, Executive Officer*
- Radford Brown, M.D., *Professor of Obstetrics and Gynecology*
- Elijah White Titus, Phar.D., M.D., *Clinical Professor of Obstetrics and Gynecology*
- Jacob Kotz, M.D., *Clinical Professor of Obstetrics and Gynecology*
- Henry Lauran Darner, A.B., M.D., *Clinical Professor of Obstetrics and Gynecology*
- John Louis Parks, M.S., M.D., *Adjunct Clinical Professor of Obstetrics and Gynecology*
- Herbert Percy Ramsey, A.B., M.D., *Assistant Professor of Obstetrics and Gynecology*
- William Preston Haynes, A.B., M.D., *Associate in Obstetrics and Gynecology*
- George Nordlinger, A.B., M.D., *Associate in Obstetrics and Gynecology*
- William Raymond Thomas, M.D., *Associate in Obstetrics and Gynecology*
- Joseph Harris, A.B., M.D., *Associate in Obstetrics and Gynecology*
- Laurence Lee Cockerille, M.D., *Associate in Obstetrics and Gynecology*
- Clayton Howard Hixson, M.D., *Associate in Obstetrics and Gynecology*
- Henry John Russell McNitt, B.S., M.D., *Associate in Obstetrics and Gynecology*
- Samuel Mayer Dodek, A.M., M.D., *Associate in Obstetrics and Gynecology*
- Bernard Notes, M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Helen Gladys Kain, B.S., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Esther Alsylvia Nathanson, A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Katherine Elizabeth Parker, A.M., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Harry Samuel Douglas, A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Howard Pope Parker, M.D., *Clinical Instructor in Obstetrics and Gynecology*

- Roger O'Donnell, Jr., A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- William Dandridge Terrell, Jr., M.D., *Clinical Instructor in Obstetrics and Gynecology*
- James Albert Dusbabek, M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Barton Winters Richwine, M.D., *Clinical Instructor in Obstetrics and Gynecology*
- Floyd Sterling Rogers, Jr., M.D., *Clinical Instructor in Obstetrics and Gynecology*

- 254 *Pregnancy, Normal and Abnormal* Kane, Dodek, H. Parker  
Lectures and recitations on the physiology and management of pregnancy and its complications. One hour a week.
- 337 *Labor, Normal and Abnormal* Kane  
Lectures, recitations, and demonstrations on the mechanism and course of labor and its complications. Two hours a week.
- 339 *Principles and Practice of Gynecology* Brown  
Lectures and recitations on gynecology, medical and surgical. One hour a week.
- 340 *Gynecological Pathology* Brown  
Lectures on the essentials of gynecological pathology, and demonstrations and study of gross and microscopic material discussed in the lectures. One hour a week.
- 342 *Female Endocrinology* Kotz  
Lectures on the physiology and pathology of the endocrine system in women. One hour a week for seven weeks.
- 344 *Operative Gynecology* Darner  
Lectures on the principles of gynecological surgery. One hour a week for seven weeks.
- 345-46 *Manikin Demonstrations* Harris  
The mechanism of labor and various types of operative delivery demonstrated to sections of the class throughout the year. One hour a week.

## OPHTHALMOLOGY

William Thornwall Davis, M.D., *Professor of Ophthalmology, Executive Officer*

Ernest Alfred Watson Sheppard, M.D.C.M., *Associate Professor of Ophthalmology*

George Victor Simpson, M.D., *Assistant Professor of Ophthalmology*

Edgar Leonard Goodman, M.D., M.M.S., *Associate in Ophthalmology*

Ronald Atmore Cox, A.B., M.D., *Associate in Ophthalmology*

### 351-52 *Ophthalmology*

Davis and Staff

A lecture course presenting the principles of ophthalmology, with special reference to topics of importance to the general practitioner. One hour a week for twenty weeks.

### 447 *Clinic*

Davis and Staff

Intensive training in diseases of the eye; etiology, diagnosis, and treatment in their application to clinical cases. Episcopal Hospital. Three hours twice a week.



## OTO-RHINO-LARYNGOLOGY

- Daniel Bruce Moffett, A.B., M.D., *Associate Professor of Oto-rhino-laryngology*
- William Herndon Jenkins, M.D., *Clinical Professor of Oto-rhino-laryngology*
- Leroy Lee Sawyer, Jr., A.B., M.D., *Assistant Professor of Oto-rhino-laryngology*
- David Davis, A.B., M.D., *Associate in Oto-rhino-laryngology*
- Don R. Johnson, LL.B., M.D., *Associate in Oto-rhino-laryngology*
- Aubrey David Fischer, M.D., *Clinical Instructor in Oto-rhino-laryngology*
- Jeter Carroll Bradley, M.D., *Clinical Instructor in Oto-rhino-laryngology*
- Lyman Brooke Tibbets, Phar.D., M.D., *Clinical Instructor in Oto-rhino-laryngology*
- Joel Norton Novick, M.S., M.D., *Clinical Instructor in Oto-rhino-laryngology*

- 451 *Oto-rhino-laryngology* Jenkins  
Clinical lectures and demonstration of diseases of the ear, nose, and throat; bronchoscopy and esophagoscopy. One hour a week for eight weeks.
- 453 *Oto-rhino-laryngology* Moffett  
Lectures on the anatomy, physiology, and diseases of the ear, nose, and throat. One hour a week for eight weeks.
- 454 *Bronchoscopy* Davis  
A series of lectures on the fundamental principles and the use of instruments, including both the bronchoscope and esophagoscope. One hour a week for ten weeks.
- 456 *Clinic* The Staff  
Practical clinical instruction in the diagnosis and treatment of diseases of the ear, nose, and throat. Episcopal Hospital. One and one-half hours twice a week.

## PATHOLOGY

Roger Morrison Choisser, B.S., M.D., *Professor of Pathology, Executive Officer*

Thomas Martin Peery, A.B., M.D., *Assistant Professor of Pathology*

Elizabeth Mapelsden Ramsey, A.B., M.D., *Associate in Pathology*

Thelma Brumfield Dunn, A.B., M.D., *Clinical Instructor in Pathology*

### 259-60 Pathology

Choisser, Peery

A course covering inflammation, repair, degenerations, the effects of bacteria and animal parasites on the body, the effects of chemical and physical agents, the formation of new growths, etc., followed by special pathology of the organs and specific diseases. The laboratory work consists primarily of the gross and microscopic study of diseased tissues, including neoplasms. Necropsies performed by members of the staff are held regularly at the University and Gallinger hospitals; the clinicians and pathologists participate in the discussions and elucidation of the findings.

### 307 Autopsy (elective)

The Staff

Small groups of students are called from time to time to assist members of the staff in the performance of necropsies held at the University and Gallinger hospitals. Pathological conferences are held once a week, at which time fresh gross specimens and microscopic sections from each autopsy are presented and discussed by both students and members of the staff. Students are assigned in rotation to review current literature relating to cases presented.

### 327-28 Clinical Pathological Conference

Choisser, Bloedorn

Case histories are presented and discussed by members of the hospital staff. Autopsy and clinical findings are compared, and specimens are demonstrated and examined by all present. One hour a week.

### 427-28 Clinical Pathological Conference

Choisser, Bloedorn

The content of this course is the same as that of Pathology 327-28.

### 460 Research

Hours and credits to be arranged.

Choisser

## PEDIATRICS

- Harry Hampton Donnally, A.M., M.D., *Professor of Pediatrics, Executive Officer*
- Preston Alexander McLendon, B.S., M.D., *Clinical Professor of Pediatrics*
- Charles Aurelius Schutz, M.D., *Clinical Professor of Pediatrics*
- Margaret Mary Nicholson, A.B., M.D., *Clinical Professor of Pediatrics*
- Lewis Kaigler Sweet, A.B., M.D., *Adjunct Clinical Professor of Pediatrics*
- Edward Lewis, M.D., *Assistant Professor of Pediatrics*
- Elizabeth Emery Chickering, A.B., M.D., *Associate in Pediatrics*
- Aaron Nimetz, A.B., M.D., *Associate in Pediatrics*
- William Staton Anderson, A.B., M.D., *Associate in Pediatrics*
- Mabel Harlakenden Grosvenor, A.B., M.D., *Associate in Pediatrics*
- Reginald Henry Mitchell, M.D., *Clinical Instructor in Pediatrics*
- John Howell Peacock, B.S., M.D., *Clinical Instructor in Pediatrics*
- John Augustine Washington, M.D., *Clinical Instructor in Pediatrics*

### 355 *Pediatrics*

Schutz

A course of lectures on diseases and malformations of the newly born. Growth (mental and physical), metabolism, nutrition, nutritional diseases, therapeutics, habits, preventive pediatrics, and social aspects are considered. One and one-half hours a week.

### 357-58 *Clinic*

Peacock

Clinical instruction in the care and diseases of the newly born, congenital malformations, birth injuries, and prematurity. Gallinger Hospital. One fourth of the class, one hour a week.

### 359-60 *Contagious-Disease Clinic*

Grosvenor, Mitchell

Bedside instruction in scarlet fever, diphtheria, etc. Gallinger Hospital. One fourth of the class, one hour a week. Ward walks twice a week.

### 463-64 *Child-Welfare and Preventive Clinic*

Schutz

Clinical course in the infant and the pre-school child. Children's Hospital, Child Welfare Center. One section, one hour a week.



465-66 *Clinic*

Lewis, Nicholson, Chickering,  
Nimetz, Anderson, Grosvenor

Clinical course in the out-patient department, including minor to serious disorders of children. This course will deal with the emotional life of the child, his habit formations, and his behavior problems. Children's Hospital. One section, Mon., Tues., Wed., and Fri., one and one-half hours.

467-68 *Clinic*

Donnally

Teaching clinic. Children's Hospital. Entire class, one and one-fourth hours a week.

469-70 *Clinical Clerkship*

Donnally, McLendon, Nicholson,  
Nimetz, Chickering, Anderson, Grosvenor

Ward walks, physical diagnosis in children, special pediatric procedures, bedside instruction in contagious diseases, individual isolation, clinical laboratory and necropsy instruction, diagnosis and treatment of urgent cases. Children's Hospital. One-fourth of the class, Mon., Tues., Wed., and Fri., 9:30 A.M. to 4:30 P.M.

471-72 *Allergy Clinic*

Donnally

Prerequisite: Bacteriology 209. Practical work in the Allergy Clinic of Children's Hospital may be obtained by a small group of senior students. Two afternoons a week.

## PHARMACOLOGY AND THERAPEUTICS

George Byron Roth, A.B., M.D., *Professor of Pharmacology, Executive Officer*

Edgar William Ligon, Jr., Ph.D., *Instructor in Pharmacology*

**263 Pharmacology**

Roth and Staff

This course consists of laboratory instruction covering both the chemical nature and the biological effects of drugs. Five hours a week.

**265 Pharmacology**

Roth

A didactic course, supplemented by demonstration, which correlates the most prominent facts relating to the more important therapeutic agents, special consideration being given to the drugs found in the *United States Pharmacopoeia* and *New and Nonofficial Remedies*. Three hours a week.

**267 Pharmacology Conference**

Roth and Staff

One hour a week.

**269 Prescription Writing**

Roth

Sixteen one-hour conferences on the form of the prescription, with practical exercises.

**362 Research**

Roth and Staff

Hours and credits to be arranged.

## PHYSIOLOGY

Errett Cyril Albritton, A.B., M.D., *Professor of Physiology, Executive Officer*

Chester Elwood Leese, Ph.D., *Associate Professor of Physiology*

Alma Fogelberg, Ph.D., *Instructor in Physiology*

Robert Custis Grubbs, M.S., M.D., *Instructor in Physiology*

- 115 *Physiology* (3) Leese and Staff  
Lectures covering the fundamentals of physiology in its various subdivisions. Prerequisite: one year of general science or one semester of a biological science. Section A: Tues., Thurs., and Sat., 9:10 A.M.; section B: Tues. and Thurs., 5:00 to 6:25 P.M.

- 117 *Physiology* (1) Fogelberg, Grubbs  
Laboratory exercises in the fundamentals of physiology. Prerequisite: Physiology 115 or the equivalent. The two, 115 and 117, may be taken concurrently. Sat., 10:10 A.M. to 1:00 P.M.

- 132 *Physiology* Albritton  
An intensive didactic survey of vertebrate physiology, drawing heavily on prerequisite work in physics, biology, and chemistry, and establishing the concept of physiology as a science made up of causally interrelated variables. Eight hours a week, the first month.

- 134 *Experimental Physiology* Albritton and Staff  
Laboratory work, demonstrations, and advanced lectures. The student is given demonstrations of basic techniques and fundamental experiments during the first month. He is then offered a wide variety of simple problems, each involving a causal relationship between two functional variables. Problems are taken from current literature and earlier sources and cover the usual subdivisions of laboratory study, including mammalian work. Training in experimental method is emphasized, and rigorous standards of proof are maintained. Two hours of lectures and nine hours of laboratory work a week.

- 200 *Physiology of Activity* (1 or 2) Albritton  
The circulatory, respiratory, endocrine, metabolic, and other adaptations, immediate and long term, accompanying activity. May be taken for two credits with additional work. Prerequisite: Physiology 115 or the equivalent. Tues., 9:10 A.M.



- 269-70 *Problems in Physiology* Albritton and Staff  
Hours and credits to be arranged.
- 272 *Experimental Method* Albritton  
The design of controlled experiments in medical or biological investigation; errors in design; criticism and judgment of evidence, and tests of the statistical significance of experimental results. May be taken for one credit with additional work. Eight lectures, hours to be arranged.
- 274 *The Psycho-Physiology of Personality* Leese  
Lectures on the genesis and expression of personality, with emphasis on the physiological approach. May be taken for one credit with additional work. Eight lectures, hours to be arranged.
- 275-76 *Research* Albritton and Staff  
Hours and credits to be arranged.

## PSYCHIATRY

Winfred Overholser, A.B., M.D., *Professor of Psychiatry, Executive Officer*

Roscoe Willis Hall, Ph.B., M.D., *Clinical Professor of Psychiatry*

John Edward Lind, M.D., *Clinical Professor of Psychiatry*

Solomon Katzenelbogen, M.D., *Clinical Professor of Psychiatry*

Paul Jacob Ewerhardt, M.D., *Clinical Instructor in Psychiatry*

Harriet Elizabeth Twombly, A.B., M.D., *Clinical Instructor in Psychiatry*

Addison McGuire Duval, M.D., *Clinical Instructor in Psychiatry*

Samuel Alexander Silk, Ph.D., M.D., *Clinical Instructor in Psychiatry*

Alice Heyl Kiessling, A.B., M.D., *Clinical Instructor in Psychiatry*

Edgar Deucher Griffin, A.B., M.D., *Clinical Instructor in Psychiatry*

### 136 *Introductory Medical Psychology*

Lind

The theoretical and practical aspects of the constitution, character, and personality as related to Medicine; the psychological features in various diseases, with special attention to the patient's personality; the different types of character development and their special ways of adaptation. One hour a week for sixteen weeks.

### 278 *Organic Psychopathology*

Hall

The common organic-reaction types, illustrated with suitable case presentations. One hour a week.

### 366 *Psychiatry*

Overholser

A course on the major psychoses, illustrated by the presentation of clinical material and utilized for the purpose of explaining the fundamental psychological mechanisms involved. St. Elizabeths Hospital. One hour a week.

### 368 *Psychosomatic Aspects of General Medicine*

Katzenelbogen

Somatic disorders of functional origin *versus* organic structural disorders. The function of the person as a whole and the function of organs. The role of psychobiological reactions (personality reactions) in somatic disorders (illustrative cases). One hour a week.

**370 *Personality Adjustments*****Ewerhardt**

Maladaptations occurring in childhood and youth. One hour a week for eight weeks.

**473-74 *Ward Work*****The Staff**

The personal examination of the various types of psychosis and the writing by the student of a formal report of the mental examination, followed by a review of the cases with an instructor. St. Elizabeths Hospital. Two hours a week.

**475 *Psychoneurosis*****Lind**

A course on the descriptive aspects, the etiology, the psychopathology, and the treatment of the various psychoneuroses. St. Elizabeths Hospital. One hour a week for twelve weeks.

**477 *Personality Profiles*****The Staff**

Utilization of psychological testing methods for the purpose of determining individuals' limitations and special capacities. St. Elizabeths Hospital. One hour a week for four weeks.



## SURGERY

- Charles Stanley White, M.D., *Professor of Surgery, Executive Officer*  
 Daniel LeRay Borden, A.M., M.D., *Associate Professor of Surgery*  
 Harry Hyland Kerr, M.D.C.M., *Clinical Professor of Surgery*  
 Paul Stirling Putzki, M.D., *Clinical Professor of Surgery*  
 Arch Lockhart Riddick, B.S., M.D., *Clinical Professor of Surgery*  
 William Berry Marbury, M.D., *Clinical Professor of Surgery*  
 Custis Lee Hall, M.D., *Clinical Professor of Surgery*  
 James Ross Veal, A.B., M.D., *Adjunct Clinical Professor of Surgery*  
 John Hugh Lyons, M.S., M.D., *Assistant Professor of Surgery*  
 Herbert Hermann Schoenfeld, M.D., *Assistant Professor of Surgery*  
 William Warren Sager, M.S., M.D., *Assistant Professor of Surgery*  
 Cline N. Chipman, M.D., *Associate in Anesthesia*  
 Guy Whitman Leadbetter, B.S., M.D., *Associate in Surgery*  
 Benjamin Franklin Dean, Jr., M.S., M.D., *Associate in Surgery*  
 Alec Horwitz, M.S., M.D., *Associate in Surgery*  
 Richard Knight Thompson, D.D.S., *Associate in Dental Surgery*  
 Charles Wilbur Hyde, M.D., *Clinical Instructor in Anesthesia*  
 Francis George Speidel, M.D., *Clinical Instructor in Anesthesia*  
 Philip Oscar Pelland, M.D., *Clinical Instructor in Surgery*  
 Stewart Maxwell Grayson, M.D., *Clinical Instructor in Surgery*  
 Nathan Norman Smiler, M.D., *Clinical Instructor in Surgery*  
 Edward Alexander Cafritz, M.D., *Clinical Instructor in Surgery*  
 Hazen Eugene Cole, B.S., M.D., *Clinical Instructor in Surgery*  
 Crenshaw Douglas Briggs, B.S., M.D., *Clinical Instructor in Surgery*  
 William Wiley Chase, A.B., M.D., *Clinical Instructor in Surgery*  
 Julius Salem Neviasser, A.B., M.D., *Clinical Instructor in Surgery*  
 James Lloyd Collins, A.B., M.D., *Clinical Instructor in Surgery*  
 William Ross Morris, M.D., *Clinical Instructor in Surgery*  
 Arthur James Mourot, B.S., M.D., *Clinical Instructor in Surgery*  
 Donald Harrison Stubbs, A.M., M.D., *Clinical Instructor in Surgery*  
 William Carey Meloy, M.D., *Clinical Instructor in Surgery*  
 Joseph Francis Conlon, D.D.S., *Clinical Instructor in Dental Surgery*  
 Otto Anderson Engh, M.D., *Clinical Instructor in Surgery*

- 138 *Introductory Surgical Clinics (elective)* White and Staff  
Obvious and classical cases are presented to the students, whose background of the structure of the body serves to give them an understanding of the cases. Two hours a week.
- 279 *General Surgery* Borden  
Course of lectures and recitations covering surgical diseases of the neck and chest, herniae, amputations, and pre- and post-operative treatment. One hour a week for twenty-eight weeks.
- 281 *Anesthesia (elective)* Chipman  
Theoretical and practical instruction is given in the use of general and local anesthetic agents. One hour a week for nine weeks.
- 282 *Fractures and Dislocations* Leadbetter  
One hour a week.
- 283 *Surgical Technique* Marbury  
This course comprises a series of demonstrations of surgical instruments and appliances, with a practical demonstration of their uses. The preparation of the patient, the operating room, the materials commonly used, and the duties of each member of an operating team are carefully presented, with the detailed consideration of minor operations and the post-operative management and complications. As far as possible, the lectures will be supplemented by clinical application. One hour a week.
- 371-72 *General Surgery* Putzki, Riddick  
Course of lectures and recitations covering surgery as applied to the neck, thorax, gastro-intestinal tract, and the bones and skeletal muscles. One hour a week.
- 373-74 *Ward Walks* The Staff  
Well-organized group ward-rounds are made with the visiting physicians and their respective staffs in the course of their usual rounds. Gallinger and Emergency hospitals.
- 375-76 *Surgical Clinic* The Staff  
Clinical teaching and demonstrations on the care of the various surgical diseases, with special emphasis on the pre- and post-operative management. Gallinger and Emergency hospitals.
- 379-80 *Surgical Clinic* White and Staff  
Demonstration to the entire class of the various surgical diseases, with stress upon the differential diagnosis and pre- and post-operative care. Gallinger Hospital. One hour a week.

381-82 *Clinical Clerkship*

The Staff

The students are assigned and required to work up thoroughly the cases for diagnosis and treatment. Gallinger and Emergency hospitals.

478 *Orthopedics (elective)*

Hall

The course includes the etiology, pathology, symptomatology, and treatment of congenital and acquired diseases of the bones and joints, and the clinical instruction in treatment and in the use of appliances for the correction of deformities. One hour a week.

479-80 *Private Practice of Surgery (elective)*

White and Staff

Students who elect this course will be given instruction in the private offices of various members of the staff, where they may observe the private practice of surgery.

481 *General Surgery*

White

One hour a week.

483-84 *Dispensary Clinic*

The Staff

Dispensary instruction in the principles and practice of surgery. Instruction of small groups is given in general surgery and the specialties, including anesthesia, neurosurgery, orthopedics, proctology, and oral surgery. University and Emergency hospitals.

485-86 *Special Problems in Surgery (elective)*

Sager, Dean

This course is devoted to general surgical diagnosis, with special emphasis on the diagnosis and differential diagnosis of surgical diseases and post-operative complications. One hour a week.

488 *Surgical Clinic*

White and Staff

Demonstration to the entire class of the various surgical diseases. One hour a week.



## UROLOGY

Frederick August Reuter, M.D., *Professor of Urology, Executive Officer*  
Thomas Carlton Thompson, B.S., M.D., *Clinical Professor of Urology*  
Alan Jeffries Chenery, M.D., *Associate in Urology*  
Charles Perry Howze, M.D., *Associate in Urology*  
Gilbert Ottenberg, A.M., M.D., *Clinical Instructor in Urology*  
William Glenn Young, M.D., *Clinical Instructor in Urology*  
Gerald Arthur Hopkins, B.S., M.D., *Clinical Instructor in Surgery*

### 491-92 *Urology*

Reuter

A systematic course of lectures covering the entire field of urology, including diagnosis, treatment, and morbid pathology. One hour a week.

### 493-94 *Clinics*

The Staff

Clinical teaching and demonstrations on the care of urological cases, with special emphasis on the pre- and post-operative management. Operative clinics and clinical teaching, including cystoscopy and the use of instruments. Gallinger and Children's hospitals.

### 495-96 *Clinics*

Reuter and Staff

Clinical demonstration and teaching in the dispensary, with special attention given to venereal cases. Emergency and University hospitals. One part of each section daily.

# DEGREES CONFERRED

1939

## DOCTOR OF MEDICINE

JUNE 14, 1939

Bageant, William Eldridge	D.C.	Johnson, William Parke, Jr.	N.J.
Barnett, Lester Alfred	N.J.	A.B. 1933, Columbia University	
A.B. 1936, The George Washington University		Kelso, Richard Edward	D.C.
Billingsley, William Kirkman, Jr.	D.C.	King, William Earl	Pa.
Brown, Brooks Gideon, Jr.	Md.	Lasater, James Harvey	Wash.
Chinn, Raymond Franklin	D.C.	B.S. 1934, University of Washington	
Collins, James Murphy	W Va	Law, Charles Edward	D.C.
Dickens, Paul Frederick, Jr.	D.C.	Mucatee, George, Jr.	Ala.
A.B. 1936, The George Washington University		Maher, Robert Campbell, Jr.	Pa.
Donald, Howard Alexander	NY.	B.S. 1935, University of Notre Dame	
Draper, Warren Fales, Jr.	Va.	McCracken, Paul Wilson	Ohio
A.B. 1935, Amherst College		Mench, Maurice	D.C.
Feldman, Harry Alfred	N.J.	(With distinction)	
A.B. 1935, The George Washington University		Miller, William Augustus	Md.
Finley, Charles Francis	N.Y.	B.S. 1932, University of Maryland	
A.B. 1936, University of Rochester		Moses, William Russell Wallace	D.C.
Fraser, Ella Selina	D.C.	(With distinction)	
A.B. 1934, A.M. 1935, The George Washington University		Parker, Henry Stoddert	D.C.
Fraser, James Malcolm	Md.	Pavne, Russell Crandle	D.C.
Friedl, Sanford Williams, Jr.	Md.	A.B. 1936, The George Washington University	
A.B. 1936, St. Mary's University of San Antonio		Raper, Lawrence Albert	D.C.
Friedman, Joseph Marshall	D.C.	(With distinction)	
A.B. 1936, The George Washington University		Richardson, Charles Randolph	D.C.
Gestadt, Paul Emil	N.J.	A.B. 1936, The George Washington University	
Gibson, Frank Eugene, Jr.	D.C.	Ruggess, Henry Raymond	Md.
Gould, Ernest Alva	Wyo.	A.B. 1937, The George Washington University	
B.S. 1935, University of Wyoming		Rosenberg, Charles Irving	Md.
Grady, Florence Elizabeth	D.C.	B.S. 1934, University of Maryland	
A.B. 1936, The George Washington University		A.M. 1936, The George Washington University	
Gramse, Fred R.	Utah	Sander, Martin August	N.Y.
A.B. 1932, University of Utah		A.B. 1932, University of Illinois	
Grutwell, John Roscoe, Jr.	Va	Schultz, William Richard	Ohio
A.B. 1932, Ohio State University		A.B. 1934, College of Wooster	
Harris, Frank Henry	Ohio	Stinson, William Hamilton	Md.
Harris, William George	Ohio	Stoddard, Gus Russell	Fla.
Hodge, David Franklin	Utah	B.S. 1933, University of Miami	
A.B. 1935, University of Utah		Strunk, Harold Alton	Pa.
Hopkins, Charles Randolph, Jr.	D.C.	B.S. 1935, Albright College	
Huntington, Camp Stanley	D.C.	Vargyas, Joseph Charles	N.J.
A.B. 1936, The George Washington University		B.S. 1935, Albright College	
Irey, H. H. Wagner	D.C.	Webb, Clifford Arston	Utah
Jaeger, Dorothy Steinel	D.C.	Welch, George Davis	D.C.
		Wells, Utho Vincent II	D.C.
		Wilson, Edward Comstock, Jr.	D.C.
		A.B. 1936, The George Washington University	
		Wilson, Herbert, Jr.	Tenn.

# STUDENTS REGISTERED

1939-40

The names of all students registered in the School of Medicine during the academic year 1939-40 are listed below in alphabetical order. Roman numerals indicate the year of the course in which the student is registered. Students who were registered for the first semester only are indicated by a dagger (†).

A		Burke, John Harold (Med. III)		
Adams, Ralston H. (Med. I)	Med.	A.B. 1937, The George Washington University		W.Va.
Agee, Fred Benson, Jr. (Med. II)	D.C.	Burbeau, Caroline Frances (Med. I)		N.Y.
A.B. 1939, The George Washington University		B.S. 1918, College of William and Mary		
Alden, Manning Wallace (Med. II)	Med.	M.S. 1930, University of Maryland		
A.B. 1939, The George Washington University		C		
Amick, Frederick Eugene (Med. I)	W.Va.	Cannon, Jesse Floyd (Med. III)		Utah
Ammerman, Harvey (Med. I)	Conn.	A.B. 1934, University of Utah		N.Y.
B.S. 1939, The George Washington University		Carbanel, Arthur Joseph (Med. IV)		Conn.
Andelman, Morten Bernard (Med. II)	N.J.	Casella, Joseph Vincent (Med. IV)		
B.S. 1937, New York University		A.B. 1937, The George Washington University		D.C.
Anderson, Gilbert I. (Med. II)	Iowa	Castillo, Francisco Jose (Med. II)		Med.
A.B. 1939, The George Washington University		Castro, Alex Francis (Med. II)		N.Y.
Anderson, Stewart A. (Med. I)	Calif.	Chatin, Horace (Med. II)		
Arias, Adolfo Octavio (Med. II)	Panama	A.B. 1938, University of Michigan		D.C.
B		Chapman, Ervin Newton (Med. II)		
Bailey, William Otis, Jr. (Med. IV)	Va.	A.B. 1939, The George Washington University		Va.
Barton, Jackson Arthur (Med. III)	D.C.	Chinn, Joseph William (Med. IV)		Pa.
Barton, William Karl (Med. I)	D.C.	B.S. 1935, University of Virginia		
Bateman, Jeanne Cecile (Med. II)	D.C.	Clateman, Arthur W. (Med. II)		D.C.
A.B. 1930, The George Washington University		B.S. 1938, Wayne University		Calif.
Bates, Harry Clark, Jr. (Med. I)	Va.	Coble, Robert Norwood (Med. I)		D.C.
B.S. 1930, University of Virginia		B.S. 1930, Dickinson College		
†Baumberger, Charles Wesley (Med. I)	W.Va.	Collins, Mary Ellen (Med. II)		Mo.
Baxley, Benjamin Hood (Med. I)	Wash.	Connolly, Jehue Rowan (Med. II)		Med.
Beall, John Arthur (Med. II)	Ohio	B.S. 1933, Pennsylvania State College		
A.B. 1918, Ohio Wesleyan University		Conrad, Robert Waits (Med. I)		
Belaval, Gustavo S. (Med. II)	P.R.	Cooper, Claude E. (Med. IV)		
Bernstein, Charles (Med. III)	N.Y.	B.S. 1914, The George Washington University		D.C.
A.B. 1938, The George Washington University		Cox, Philip Archelaus (Med. III)		
Block, Herbert Edward (Med. IV)	D.C.	D		
Blumenthal, Lester Sylvan (Med. III)	D.C.	Danish, Abraham Wolfe (Med. III)		D.C.
A.B. 1938, The George Washington University		A.B. 1938, The George Washington University		Pa.
Blundon, Kenneth Edwin (Med. I)	Med.	University		
Bock, Gustavus Denton (Med. IV)	Calif.	Danish, Jacob Mayr (Med. IV)		
A.B. 1935, University of Utah		A.B. 1937, The George Washington University		Pa.
Borum, Bruce H. (Med. I)	D.C.	University		
Brauer, Jerome (Med. III)	N.J.	Dedick, Andrew Paul, Jr. (Med. I)		Idaho
A.B. 1937, University of Pennsylvania		Dedick, William Sheldon (Med. II)		
Breik, Irvine Benjamin (Med. III)	Fla.	Dedick, Raymond Edwin (Med. IV)		D.C.
A.B. 1938, The George Washington University		B.S. 1934, University of Idaho		Pa.
Brethman, Alfred B. (Med. I)	D.C.	DeFrancisco, Vincent James (Med. IV)		D.C.
Bo, Vaughan, R. (Med. III)	D.C.	Dickson, John Paul (Med. I)		N.Y.
A.B. 1936, Norwich University		Dickson, Frederick Young, Jr. (Med. III)		
Buckley, Michael Lester (Med. IV)	Va.	Dickson, Mabel (Med. I)		
Burgess, Forbes Hathaway (Med. IV)	D.C.	A.B. 1939, New York University		D.C.
		Dove, Samuel (Med. I)		
		B.S. 1936, Wilson Teachers College		



Dreskin, Herman Oscar (Med. III) B.S. 1916, Dickinson College M.S. 1919, Rutgers University Dunham, Jean LaVell (Med. II)	N.J. D.C.	Hellgott, Jay Leon (Med. II) B.S. 1917, University of Maryland Henkin, Allen Erwin (Med. II) B.S. 1918, University of Maryland Hickman, Therval L. (Med. III) B.S. 1914, Utah State Agricultural College	Md. D.C. Utah
<b>E</b>			
Eastham, Edwin Marion (Med. I) Edwards, Benjamin Franklin (Med. I) Edwards, John Albert (Med. I) Engelsberger, Phil Carson (Med. IV) A.B. 1916, University of Kansas Etter, Richard Lee (Med. I) Evensta, John Berg (Med. III)	Va. D.C. Vt. Pa. Tex. Minn.	Hobbsman, Joel Bernard (Med. I) Hollander, Nelson Henry (Med. I) A.B. 1912, New York University Holmes, Clyde Everett (Med. I) B.S. 1913, University of Washington Hornes, Merle Myles (Med. III) B.S. 1911, Juniata College Hornisher, Charles John (Med. II) Howard, I. Ray (Med. III) Howard, Marcus Lorraine (Med. II) Hurt, Charles Garmon (Med. III) Hulbert, Leila (Med. III) A.B. 1918, The George Washington University	Mass. N.J. D.C. Pa. D.C. Md. Ga. S.Dak. Md.
<b>F</b>			
Fabrega, Ignacio de Loyola (Med. II) Fagan, John Francis (Med. III) A.B. 1917, College of the Holy Cross Farrell, John Phillip (Med. I) A.B. 1919, University of Oregon Fisher, Richard Henry (Med. I) B.S. 1919, The George Washington University Flaherty, Walter Thomas (Med. IV) Folston, Mortimer James (Med. II) A.B. 1918, A.M. 1919, The George Washington University Footer, Marion Peace (Med. II) A.B. 1918, The George Washington University Frankel, Theodore H. (Med. II) A.B. 1918, The George Washington University Franzoni, Joseph D. (Med. II) B.S. 1918, University of Maryland Futrowsky, Sam (Med. IV) B.S. 1915, A.M. 1916, The George Washington University	D.C. Mass. D.C. D.C. N.Y. D.C. D.C. D.C. D.C.	Hyde, Aaron Roberts (Med. II) B.S. 1918, Haverford College	D.C.
<b>I</b>			
<b>J</b>			
Jagers, Frank Yewdall (Med. I) B.S. 1919, Dickinson College James David Fellon (Med. IV) B.S. 1916, Catholic University of America Jarvis, Louise (Med. II) B.S. 1917, The George Washington University Jenkins, W. Clayton (Med. III) A.B. 1913, Brigham Young Uni- versity Jimenez-Torres, Carlos Frederico (Med. I) Juder, Burt Joseph (Med. I) B.S. 1919, University of Scranton	D.C. D.C. D.C. D.C. D.C. D.C. D.C. D.C.	Iran, Ardeshir, Jr (Med. I)	D.C.
<b>K</b>			
Kahler, Elizabeth (Med. IV) B.S. 1911, A.M. 1915, The George Washington University Kamel, Norman Ralston (Med. III) Kandys, Frederick Joseph (Med. II) Kaserman, Julius (Med. III) B.S. 1917, The George Washington University Kaufman, Bernhard (Med. III) A.B. 1917, University of Wisconsin Kistner, Stanley William (Med. I) Kline, Philip Sherwood (Med. IV) A.B. 1918, The George Washington University Krusell, Morris Edward (Med. II) B.S. 1917, The George Washington University Kurtz, H. James (Med. II) A.B. 1918, The George Washington University	N.J. D.C. Ohio Md. Va. D.C. D.C.	Lanvaster, Robert (Med. I) Lansman, Manuel Phillip (Med. III) B.S. 1915, The George Washington University	D.C. D.C. Conn. D.C. Wis. D.C. Va. D.C. Wis.
<b>L</b>			
Lanvaster, Robert (Med. I) Lansman, Manuel Phillip (Med. III) B.S. 1915, The George Washington University	Utah Pa.		Md. D.C.

Lane, Thomas Hamilton (Med. IV)	D.C.	Mitchell, George Trice (Med. IV)	Ill.
A.B. 1936, Dartmouth College		B.S. in M.E. 1935, Purdue	
Lang, Lewis R. (Med. III)	Ga.	University	D.C.
B.S. 1934, University of Georgia		Moody, Louis Henry, Jr. (Med. IV)	D.C.
Larson, Thurman August (Med. IV)	Maine	Moore, John Stewart (Med. III)	Wash.
A.B. 1914, Bowdoin College		Morgan, Ivor Idris (Med. II)	
Latimer, John Wilmer, Jr. (Med. IV)	D.C.	B.S. 1938, University of Wash-	
Lavine, Isidor Morris (Med. III)	Md.	ington	Mass.
LL.B. 1925, LL.M. 1927, The		Mountain, David Charles (Med. III)	
George Washington University		B.S. 1914, Massachusetts State	
Leary, Theodore Moreau (Med. IV)	Mass.	College	
B.S. 1935, Massachusetts State		A.M. 1937, The George Washington	
College		University	Md.
Leftwich, William Bordette (Med. II)	W.Va.	Mugmon, Leo Harold (Med. III)	Pa.
B.S. 1918, Hampden-Sydney College		Muir, Donald C. (Med. IV)	Ores.
Lepper, Mark Hummer (Med. III)	Md.	Murphy, Richard C. (Med. IV)	
A.B. 1918, The George Washington		A.B. 1915, The George Washington	
University		University	
Levine, Sidney (Med. III)	Mass.		
A.B. 1927, University of North		N	
Carolina		Nelson, Richard Oldfield (Med. III)	Kans.
Lewis, William, Jr. (Med. III)	D.C.	A.B. 1934, University of Kansas	
Long, James Welling (Med. I)	D.C.	Neslen, George Quayle (Med. II)	Utah
Lorenz, Frederick Sheets (Med. III)	D.C.	Nicklin, Walter Shirley, Jr. (Med. I)	Va.
A.B. 1924, Pomona College		Nott, Perry Jacob (Med. III)	N.Y.
Lorusso, Virgil Alfred (Med. III)	Pa.	B.S. 1916, New York University	
A.B. 1918, The George Washington		M.S. 1939, University of Maryland	
University			
Lovingsood, Frank Smith (Med. II)	Tenn.		
A.B. 1938, University of Tennessee		O	
		Obenschain, John Teadford (Med. II)	Va.
M		B.S. 1936, Roanoke College	D.C.
MacDonald, Gordon Rhodes (Med. I)	Ohio	Offnutt, Harry Dumont (Med. I)	Conn.
B.S. 1929, University of Toledo		Ogden, Faith Newberry (Med. II)	
MacPherson, Archibald (Med. II)	Va.	A.B. 1937, Radcliffe College	
A.B. 1919, The George Washington			
University		P	
Maher, Robert Woodruff (Med. IV)	D.C.	Paquin, Jean Ernest (Med. II)	N.H.
Mahoney, Hugh Francis (Med. III)	Mass.	B.S. 1937, University of New	
Ph.B. 1917, Boston College		Hampshire	
Makinson, James Thornton (Med. I)	Calif.	Payne, Martin Wallace (Med. I)	N.J.
A.B. 1919, Stanford University		A.B. 1937, State Teachers College,	
Martyn, Herbert Eversard (Med. I)	D.C.	Montclair, N. J.	D.C.
B.S. 1929, Georgetown University		Pearlman, Shirley Felice (Med. II)	
McAfee, George DeShon (Med. III)	Colo.	A.B. 1939, The George Washington	
B.S. 1917, University of Virginia		University	D.C.
McCulloch, Robert James (Med. II)	Calif.	Peck, Thomas Letta (Med. I)	
McFarland, Edward Atkinson		B.S. 1922, University of Wisconsin	
(Med. IV)	Maine	M.S. 1927, Michigan State College	D.C.
B.S. 1926, Bowdoin College		Perkins, William Robert, Jr. (Med. I)	
McLaughlin, Genevieve Ann (Med. IV)	N.Y.	A.B. 1939, Princeton University	
A.B. 1917, The George Washington		Petersen, Roy Alvin (Med. I)	
University		B.S. 1926, Utah State Agricultural	
McMullen, Barbara Weems (Med. II)	D.C.	College	N.Y.
McNamara, Alexander Peter (Med. III)	D.C.	Place, Charles Hyatt (Med. I)	
McNutt, Harlan Page, Jr. (Med. I)	Wash.	A.B. 1929, Colgate University	D.C.
Merrick, John Blake (Med. II)	Va.	†Pole, Samuel Boyce (Med. I)	
A.B. 1918, Colgate University		Pollex, James Herman (Med. I)	
Michael, Morris Irwin (Med. II)	D.C.	B.S. 1929, University of Toledo	
A.B. 1918, Cornell University		Pore, Theodore Leon (Med. I)	
Michael, Ralph Hubert (Med. I)	D.C.	Posnjak, Ellen Wynne (Med. IV)	
Miller, Clark Richardson (Med. IV)	Wash.	A.B. 1927, The George Washington	
†Miller, Walter LeRoy, Jr. (Med. I)	D.C.	University	N.C.
B.S. 1910, University of Maryland		Pruitt, James Fariss (Med. I)	
Mills, Roswell Sherman (Med. III)	N.Y.	B.S. 1939, Wake Forest College	
A.B. 1917, Union College			
Mincosky, A. Burton (Med. II)	D.C.	R	
A.B. 1918, The George Washington		Rabkin, Boris (Med. I)	N.Y.
University		A.B. 1932, New York University	
Mitchell, Edwin C. (Med. I)	Wyo.	Reitman, James Stewart (Med. I)	N.I.
B.S. 1939, University of Wyoming		B.S. 1928, New York University	

Reanick, Solomon (Med. I)	N.J.	T	
B.S. 1939, Yale University		Tacelli, Frank Anthony (Med. II)	Conn.
Rittenour, John Russell (Med. IV)	D.C.	Tefft, Helen Frances (Med. I)	N.Y.
Robertson, Duncan (Med. II)	Alaska	A.B. 1939, University of Rochester	
A.B. 1948, Stanford University		Thiemeyer, John Samuel (Med. IV)	D.C.
Robertson, William Whalen (Med. II)	N.Y.	A.B. 1937, The George Washington University	
A.B. 1938, University of Rochester		Thomas, Herrick Melvin (Med. I)	N.J.
Robie, William A. (Med. II)	Md.	Thompson, Charles Waters (Med. III)	D.C.
Rodehearer, Earl Nedrow (Med. I)	W.Va.	Thompson, Henry, Jr. (Med. II)	D.C.
A.B. 1939, West Virginia University		Tierney, Kaden (Med. II)	W.Va.
Rohrbaugh, Austin Bertram, Jr. (Med. III)		A.B. 1938, The George Washington University	
A.B. 1937, Duke University	Md.	Tievsky, George (Med. I)	D.C.
Rose, Morton Harold (Med. II)	D.C.	B.S. 1939, The George Washington University	
Rosenberg, Morris Hirsch (Med. III)	D.C.	W	
A.B. 1938, The George Washington University		Wagner, Henry George (Med. II)	D.C.
Rovinski, Helen Therese (Med. I)	N.J.	A.B. 1939, The George Washington University	
A.B. 1939, College of St. Elizabeth		Wallace, Charles James, Jr. (Med. II)	Calif.
S		A.B. 1937, Stanford University	
Saidman, Aaron Gilbert (Med. IV)	D.C.	Weaver, Thomas Harold (Med. IV)	Va.
Sanders, Zack Witten (Med. III)	W.Va.	Weiner, Herman Robert (Med. II)	N.J.
A.B. 1935, University of North Carolina		B.S. 1938, College of William and Mary	
Schulman, Cyril Augustus (Med. II)	D.C.	Weston, Edwin Hyman (Med. I)	D.C.
B.S. 1938, The George Washington University		Wells, Carl Hunt, Jr. (Med. III)	Md.
Scott, James Munev (Med. III)		B.S. 1936, University of Georgia	
Shearer, George Crawford (Med. I)	D.C.	Whalen, Carl Henry (Med. II)	Tex.
B.S. 1939, Grove City College	Pa.	A.B. 1937, University of Texas	
Siegel, Leo Harold (Med. I)		White, Charles Stanley, Jr. (Med. II)	D.C.
Silverstone, Felix Abraham (Med. II)	N.J.	B.S. 1937, Harvard University	
Sisler, Dorothy Sylvia (Med. I)	D.C.	Whitley, Ralph Davis (Med. IV)	Ark.
Smith, Andrew Leonard (Med. III)	D.C.	B.S. 1937, The George Washington University	
Smith, Burton Glancy (Med. I)	Pa.	Wilbur, Herbert Tilden, Jr. (Med. III)	Maine
Smith, Catherine Wood Richard (Med. III)	D.C.	A.B. 1935, University of Maine	
A.B. 1948, The George Washington University	Va.	Willard, Eugene L. (Med. IV)	N.Y.
Smith, Charles Edward (Med. III)		William, Elizabeth Louis (Med. M.S.)	D.C.
A.B. 1919, The George Washington University	D.C.	B.S. in Med. 1920, M.D. 1920, The George Washington University	
Smith, Robert Shaw (Med. I)	Idaho	Winn, James Sabev, Jr. (Med. IV)	Fla.
B.S. 1939, University of Utah		A.B. 1939, Williams College	
Snow, Lee B. (Med. IV)	Ohio	Y	
Speck, George (Med. III)	Mass.	Yonndt, Luke Binkley (Med. IV)	Pa.
Stanley, Robert Godlewski (Med. I)	Pa.	B.S. 1936, Franklin and Marshall College	
A.B. 1939, University of Pennsylvania		Z	
Stark, Sam Walker (Med. I)	Nev.	Zappala, Anthony (Med. II)	D.C.
Steele, Sally Lois (Med. I)	D.C.	Zella, Allan (Med. III)	N.Y.
Stehman, Vernon Andrew (Med. IV)	Va.	A.B. 1917, LaSalle College	
A.B. 1936, University of Tennessee	Fla.	Zaman, Edmund Allan (Med. IV)	N.Y.
Stone, Daniel Joseph (Med. I)		B.S. 1936, The George Washington University	
A.B. 1939, Johns Hopkins University	N.Y.	Zukerman, Saul (Med. IV)	D.C.
Storer, William Elroy (Med. IV)	Ohio	A.B. 1937, The George Washington University	
Sugar, Oscar (Med. II)	D.C.	Zylman, Jacob Derk (Med. III)	Wis.
A.B. 1934, Johns Hopkins University		A.B. 1939, The George Washington University	
A.M. 1937, The George Washington University			
Ph.D. 1940, University of Chicago			
Svedlow, Bernard Dave (Med. III)	N.Y.		
B.S. 1935, New York University	China		
Sze, Kenneth Chiachio (Med. I)			



## SUMMARIES OF REGISTRATION

1939-40

### NUMBER OF REGISTRATIONS

First Year .....	74
Second Year .....	67
Third Year .....	57
Fourth Year .....	53
Candidate for the degree of Master of Science in Medicine.....	1
	248

### GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Arkansas .....	1	North Carolina .....	6
California .....	8	Ohio .....	2
Colorado .....	1	Oregon .....	16
Connecticut .....	5	Pennsylvania .....	1
District of Columbia.....	89	South Dakota .....	1
Florida .....	3	Tennessee .....	2
Georgia .....	2	Texas .....	6
Idaho .....	3	Utah .....	1
Illinois .....	1	Vermont .....	15
Iowa .....	1	Virginia .....	5
Kansas .....	1	Washington .....	7
Maine .....	3	West Virginia .....	3
Maryland .....	16	Wisconsin .....	1
Massachusetts .....	7	Wyoming .....	1
Minnesota .....	1	Alaska .....	1
Missouri .....	1	China .....	1
Nevada .....	1	Panama .....	2
New Hampshire .....	1	Puerto Rico .....	1
New Jersey .....	14		
New York .....	17	Total .....	248

### GRADUATES OF COLLEGES REGISTERED IN THE SCHOOL OF MEDICINE

American University .....	1	Franklin and Marshall College.....	1
Boston College .....	1	George Washington University, The	54
Bowdoin College .....	2	Georgetown University.....	2
Brighton Young University.....	2	Georgia, University of.....	1
Catholic University of America...	1	Grove City College .....	1
Chicago, University of.....	1	Hampden Sydney College.....	1
Colgate University.....	2	Harvard University.....	1
Cornell University .....	1	Haverford College .....	1
Dartmouth College .....	1	Holy Cross, College of the.....	1
Dickinson College .....	3	Idaho, University of.....	1
Duke University.....	1	Johns Hopkins University.....	1

Juniata College .....	1	State Teachers College, Montclair	
Kansas, University of .....	2	N. J. ....	1
LaSalle College .....	1	Tennessee, University of .....	2
Maine, University of .....	1	Texas, University of .....	1
Maryland, University of .....	6	Toledo, University of .....	2
Massachusetts State College .....	2	Union College .....	1
Michigan State College .....	1	Utah State Agricultural College ..	2
Michigan, University of .....	2	Utah, University of .....	3
New Hampshire, University of .....	1	Virginia, University of .....	3
New York University .....	7	Wake Forest College .....	1
North Carolina, University of .....	2	Washington, University of .....	3
Norwich University .....	1	Wayne University .....	1
Ohio University .....	1	West Virginia University .....	1
Ohio Wesleyan University .....	1	William and Mary, College of .....	2
Oregon, University of .....	1	Williams College .....	1
Pennsylvania State College .....	1	Wilson Teachers College .....	1
Pennsylvania, University of .....	2	Wisconsin, University of .....	1
Pomona College .....	1	Wyoming, University of .....	1
Princeton University .....	1	Yale University .....	1
Purdue University .....	1		
Radeliffe College .....	1	Total .....	155
Roanoke College .....	1	Counted twice .....	5
Rochester, University of .....	2		
Rutgers University .....	1	Number of college graduates	150
St. Elizabeth, College of .....	1		
Seranton, University of .....	1	Number of colleges represented	67
Stanford University .....	3		

# INTERNSHIPS, CLASS OF 1939

Name	Hospital	City
Bageant, William Eldridge...	Garfield Memorial Hospital...	Washington, D.C.
Barnett, Lester Alfred...	Gallinger Municipal Hospital...	Washington, D.C.
Billingsley, William K. ....	Garfield Memorial Hospital...	Washington, D.C.
Brown, Brooks Gideon, Jr....	The George Washington University Hospital...	Washington, D.C.
Chinn, Raymond Franklin...	Sibley Memorial Hospital...	Washington, D.C.
Collins, James Murphy.....	Ben Secours Hospital...	Baltimore, Md.
Dickens, Paul Frederick, Jr...	The George Washington University Hospital...	Washington, D.C.
Donald, Howard Alexander...	New Rochelle Hospital...	New Rochelle, N.Y.
Draper, Warren Fates, Jr. ....	U. S. Marine Hospital...	San Francisco, Calif.
Feltman, Harry Alfred.....	Gallinger Municipal Hospital...	Washington, D.C.
Foley, Charles Francis.....	Sibley Memorial Hospital...	Washington, D.C.
Fraser, Ella Selma.....	Gallinger Municipal Hospital...	Washington, D.C.
Fraser, James Malcolm.....	Mercy Hospital...	Oak Brook, Ill.
Frederick, Sanford Williams, Jr.	Walter Reed Hospital...	Washington, D.C.
Friedman, Joseph Marshall...	Gallinger Municipal Hospital...	Washington, D.C.
Gehardt, Paul Emil.....	Newark City Hospital...	Newark, N.J.
Gibson, Frank Eugene, Jr....	Garfield Memorial Hospital...	Washington, D.C.
Gould, Ernest Alva.....	Garfield Memorial Hospital...	Washington, D.C.
Grady, Florence Elizabeth...	Jersey City Medical Center...	Jersey City, N.J.
Gramse, Fred R.....	Gallinger Municipal Hospital...	Washington, D.C.
Grunwell, John Roscoe, Jr....	The George Washington University Hospital...	Washington, D.C.
Harris, Frank Henry.....	University of Pittsburgh Medical Center	Pittsburgh, Pa.
Harris, William George.....	Ohio Valley General Hospital...	Wheeling, W. Va.
Hodge, Frank David.....	Gallinger Municipal Hospital...	Washington, D.C.
Hughes, Charles Randolph, Jr.	Sibley Memorial Hospital...	Washington, D.C.
Huntington, Camp Stanley...	Beverly Hospital...	Beverly, Mass.
Irey, Hugh Wagner.....	St. Luke's Hospital...	Cleveland, Ohio
Jurgens, Dorothy Steele.....	Sibley Memorial Hospital...	Washington, D.C.
Johnson, William Parke, Jr.	St. Vincent's Hospital...	New York City
Kelso, Richard Edward.....	Johns Hopkins Hospital...	Baltimore, Md.
King, William Earl.....	Western Pennsylvania Hospital...	Pittsburgh, Pa.
Lavater, James Harvey, Jr. ....	King County Hospital...	Seattle, Wash.
Law, Charles Edward.....	Baltimore City Hospital...	Baltimore, Md.
Macatee, George, Jr.....	Garfield Memorial Hospital...	Washington, D.C.
Maher, Robert Campbell, Jr.	Mercy Hospital...	Pittsburgh, Pa.
McCrocker, Paul Wilson.....	Memphis General Hospital...	Memphis, Tenn.
Meish, Maurice.....	Gallinger Municipal Hospital...	Washington, D.C.
Miller, William Augustus.....	Gallinger Municipal Hospital...	Washington, D.C.
Moses, William Russell Wallace	Union Memorial Hospital...	Baltimore, Md.
Parker, Henry Stoddert.....	Gallinger Municipal Hospital...	Washington, D.C.
Payne, Russell Conable.....	Sibley Memorial Hospital...	Washington, D.C.
Rapoe, Lawrence Albert.....	Garfield Memorial Hospital...	Washington, D.C.
Richardson, Charles Randolph	The George Washington University Hospital...	Washington, D.C.
Ringness, Henry Raymond...	South Pacific General Hospital...	San Francisco, Calif.
Rosenberg, Charles Irving...	Gallinger Municipal Hospital...	Washington, D.C.
Sander, Martin August.....	Midland Fillmore Hospital...	Buffalo, N.Y.
Schultz, William Richard...	University of Pittsburgh Medical Center	Pittsburgh, Pa.
Simmons, William Hamilton...	U. S. Marine Hospital...	Baltimore, Md.
Stoddard, Guy Russell.....	Garfield Memorial Hospital...	Washington, D.C.
Strunk, Harold Alvin.....	Reading Hospital...	Reading, Pa.
Vargason, Joseph Charles...	St. Peter's General Hospital...	New Brunswick, N.J.
Webb, Clifford Arston.....	Emergency Hospital...	Washington, D.C.
Werkhardt, George Davis...	St. Elizabeths Hospital...	Washington, D.C.
Wheat, Urban Vincent II.....	Garfield Memorial Hospital...	Washington, D.C.
Wilson, Edward Comstock, Jr.	The George Washington University Hospital...	Washington, D.C.
Wilson, Herbert, Jr.....	Emergency Hospital...	Washington, D.C.



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THE LAW SCHOOL

1940-41





THE  
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THE LAW SCHOOL

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WASHINGTON, D. C.

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BY THE UNIVERSITY



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# CALENDAR OF THE LAW SCHOOL

## 1940-41

Date	Day	Occasion
1940:		
September 19-21...	Thursday to Saturday, both dates inclusive	Registration period for the first semester
September 23.....	Monday .....	Academic year begins
November 21-23...	Thursday to Saturday, both dates inclusive	Thanksgiving recess
December 23-January 4	Monday to Saturday, both dates inclusive	Christmas recess
1941:		
January 6.....	Monday .....	Classes resumed Last day for applications for degrees to be conferred in February
January 13-21.....	Monday to Tuesday, both dates inclusive	Preregistration period for the second semester
January 25-February 1.....	Saturday to Saturday, both dates inclusive	Midyear examination period
February 5-6.....	Wednesday and Thursday	Registration period for the second semester
February 7.....	Friday .....	Classes resumed for the second semester
February 22.....	Saturday .....	Winter Convocation. Holiday
April 11-16.....	Friday to Wednesday, both dates inclusive	Easter recess
May 2.....	Friday .....	Last day for applications for degrees to be conferred in June
May 17.....	Saturday .....	Last classes for the academic year
May 21-June 7....	Wednesday to Saturday, both dates inclusive	Final examination period
May 30.....	Friday .....	Memorial Day. Holiday
June 8.....	Sunday .....	Baccalaureate Sermon
June 11.....	Wednesday .....	Commencement
June 16.....	Monday .....	First summer term begins
July 4.....	Friday .....	Independence Day. Holiday
July 28.....	Monday .....	First summer term ends
July 29.....	Tuesday .....	Second summer term begins
September 11.....	Thursday .....	Second summer term ends
September 18-20...	Thursday to Saturday, both dates inclusive	Registration period for the first semester of the academic year
September 22.....	Monday .....	1941-42 Academic year 1941-42 begins

THE UNIVERSITY





## THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President of the University ex officio and the following persons by election:

1941

- Avery DeLano Andrews, B.S., LL.B.; Winter Park, Florida  
Clarence Aiken Aspinwall; 1140 Fifteenth Street  
Henry Parsons Erwin, A.B.; Hibbs Building  
Mrs. Joshua Evans, Jr., A.B., Ed.D.; 3405 Lowell Street  
\*Howard Wilkinson Hodgkins, B.S., LL.B.; 1604 First National Bank Building, Chicago, Illinois  
\*John Edgar Hoover, LL.M., LL.D.; United States Department of Justice  
Charles Riborg Mann, Ph.D., Sc.D.; 744 Jackson Place  
Walter Rupert Tuckerman, A.B., LL.B.; 1721 H Street  
Chester Wells, B.S., Graduate United States Naval War College; Jones Mill Road, Chevy Chase, Maryland

1942

- Harry Cassell Davis, A.M., L.H.D.; 1921 Kalorama Road  
\*George Edgar Fleming, LL.M.; Union Trust Company  
Charles William Gerstenberg, LL.B.; 70 Fifth Avenue, New York City  
Ulysses S. Grant, 3d, B.S., Graduate United States Engineers' School; 419 Federal Building, Cleveland, Ohio  
Gilbert Grosvenor, A.M., LL.D., Litt.D.; National Geographic Society  
Alfred Henry Lawson, LL.B.; Washington Loan and Trust Company  
Theodore Williams Noyes, A.M., LL.M., LL.D.; 1730 New Hampshire Avenue  
\*Luther Halsey Reichelderfer, M.D., LL.D.; 1661 Crescent Place  
Lloyd Bennett Wilson; 725 Thirteenth Street

1943

- Charles Silas Baker, A.M., LL.B.; 720 Munsey Building  
John St. Clair Brookes, Jr., A.M., LL.B.; Edmonds Building  
\*Bennett Champ Clark, A.B., LL.B.; Senate Office Building

\* Nominated by the alumni.

John Henry Cowles, LL.D.; 1733 Sixteenth Street  
Robert Vedder Fleming, LL.D.; Riggs National Bank  
Charles Carroll Glover, Jr., A.M., LL.B.; Riggs National Bank  
Arthur Peter, LL.B.; Washington Loan and Trust Building  
Mrs. Henry Alvah Strong, LL.D.; Normandy Building  
Merle Thorpe, A.B.; United States Chamber of Commerce Building  
\*Wilbur John Carr, LL.M., LL.D.; 2300 Wyoming Avenue

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*Chairman of the Board of Trustees*  
Robert Vedder Fleming

*Vice Chairman of the Board of Trustees*  
Arthur Peter

*Secretary of the Board of Trustees*  
Harry Cassell Davis

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\* Nominated by the alumni.

## OFFICERS OF ADMINISTRATION

### THE UNIVERSITY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University*  
—, *Provost*

Harold Griffith Sutton, M.S., *Director of Admissions*

Fred Everett Nessell, A.B., *Registrar; Secretary of the Faculties*

John Russell Mason, B.S. in L.S., A.M., *Librarian*

Charles Edgar Merry, A.B., *Business Manager*

Henry William Herzog, B.S., *Comptroller*

Mitchell Dreese, Ph.D., *Dean of the Summer Sessions*

Myrna Pauline Sedgwick, A.B., *Administrative Secretary*

Daniel LeRay Borden, A.M., M.D., *Director of Health Administration*

Vinnie Giffen Barrows, A.M., *Director of Personnel Guidance*

Alan Thomas Deibert, A.M., *Adviser to Students from Foreign Coun-tries*

Lester Allan Smith, A.M., *Alumni Secretary*

### THE LAW SCHOOL

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School*

Anna Marie Bischoff, A.B., *Secretary to the Dean of the Law School*

Clementena Lawrie, A.B., *Secretary in the Office of the Dean of the Law School*

### THE LAW LIBRARY

Helen Newman, LL.M., *Law Librarian*

*Assistants in the Law Library*—Helen Creighton, A.M.; Ora Herbert Roberts, Jr., A. B.; Roger Stuart, Jr., B.S.





## HISTORY AND ORGANIZATION

### HISTORY

The idea of a university located in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and who in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government".

It was George Washington's hope that the "General Government" would extend toward such an institution "a fostering hand". No steps were taken by Congress to carry out the provision of Washington's will, and the stock that he had bequeathed for the establishment of a university in the District of Columbia became valueless owing to the failure of the Potomac Canal properties.

Meanwhile, however, a movement was started by private persons under the leadership of Luther Rice to establish an institution of higher learning at the seat of the National Government for the education of the Baptist ministry and to afford general collegiate training. In 1819 an association was formed by Luther Rice, Obadiah B. Brown, Spencer H. Cone, and Enoch Reynolds for the purpose of raising funds to buy land for the use of the college.

A group of the Nation's leaders who were especially interested in Washington's idea became patrons of the college and contributed to funds raised for the purchase of land and erection of buildings. Among them were James Monroe, President of the United States; William H. Crawford, Secretary of the Treasury; John C. Calhoun, Secretary of War; William Wirt, Attorney General; Return J. Meigs, Postmaster General; and thirty-two members of the Congress.

Legally to implement the college a petition was made to Congress for the incorporation of "the General Convention of the Baptist Denomination in the District of Columbia for evangelical and literary purposes". This petition was denied by Congress, on April 26, 1820, because of its sectarian character.

Failing to secure a denominational charter, members of the association enlarged their objective to embrace national aims, and with the sponsorship of Government leaders there was presented in Congress a bill for the incorporation of "the Columbian Society for literary purposes", it being proposed to realize in this way "the aspirations of

Washington, Jefferson and Madison for the erection of a university at the seat of the federal government".

Acting upon this second petition, on February 9, 1821, Congress chartered Columbian College in the District of Columbia, inserting in the charter by special action the provision "That persons of every religious denomination shall be capable of being elected Trustees; nor shall any person, either as President, Professor, Tutor or pupil, be refused admittance into said College or denied any of the privileges, immunities or advantages thereof, for or on account of his sentiments in matters of religion".

Thus Columbian College in the District of Columbia was chartered by Congress as one of the early nonsectarian institutions of higher learning in the United States, under the distinguished favor of President James Monroe and members of his Cabinet.

A tract of approximately forty-seven acres, "extending about one-half miles northwest of Boundary Street (Florida Avenue) between 14th and 15th Streets", was purchased, and by 1822 the main building was completed sufficiently to use.

Two years later, when the first Commencement was held on December 15, 1824, Congress and the Supreme Court adjourned their sessions to enable their members to attend the exercises. President Monroe, John Quincy Adams, John C. Calhoun, Henry Clay, and the Marquis de Lafayette headed the eminent company in attendance.

The School of Medicine, established in 1821, was formally opened in 1825 and has been in continuous operation since that time. The Law School, organized in 1826, was discontinued the following year, and was reestablished in 1865. It is the oldest law school in Washington.

By an act of Congress of March 3, 1873, the name of the college was changed to "Columbian University", in recognition of the enlarged scope of the institution. The following year the University was moved from its first location on "College Hill", now Columbia Heights, to the new University Hall built for it at Fifteenth and H Streets. Near-by buildings accommodated the School of Medicine.

For a period of six years, from 1898 to 1904, the University was placed under control of the Baptist Denomination. In 1904 an act restoring the original secular character of the University and authorizing change of name to The George Washington University was passed by Congress.

Subsequently all the Colleges, Schools, and Divisions of the University except the School of Medicine, which is situated on H Street between Thirteenth and Fourteenth Streets NW., were brought together at the present location in the city block bounded by Twentieth, Twenty-first, G, and H Streets NW., and in the blocks adjacent.



In 1930 a new plan of academic organization for the liberal arts work was effected. The Junior College was established, comprising the work of the freshman and sophomore years. The junior and senior years were retained in Columbian College, which was designated the senior college of letters and sciences. As a further step, the year of study leading to the Master's degree was separated from the graduate work for the Doctor's degree and assigned to Columbian College. The Graduate Council was organized to administer the work for the degree of Doctor of Philosophy. These innovations were accompanied by the establishment of a carefully controlled independent study plan, the grouping of departments of instruction under the divisional type of organization, and the institution of a new plan of administration both for the undergraduate major and for the Master's work.

#### THE COLLEGES, SCHOOLS, AND DIVISIONS

The George Washington University offers courses in twelve Colleges, Schools, and Divisions, as follows: the Junior College; Columbian College, the senior college of letters and sciences; the Graduate Council; the School of Medicine; the Law School; the School of Engineering; the School of Pharmacy; the School of Education; the School of Government; the Division of University Students; the Inter-American Center; and the Summer Sessions.

#### ACADEMIC STATUS

The George Washington University is on the approved list of the Association of American Universities, the standard accrediting body for the United States. This fact not only assures to students the academic standards of this accrediting body, but is important also to those who desire to transfer credits from one institution to another.

The University is also accredited by its regional accrediting agency, the Middle States Association of Colleges and Secondary Schools, and is on the approved list of the American Association of University Women.

The Law School is a charter member of the Association of American Law Schools and is approved by the Council of Legal Education of the American Bar Association. The School of Medicine is a member of the Association of American Medical Colleges, is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association, and is accredited for all its work by the Combined (Royal) Medical Examining Boards in England. The School of Pharmacy is accredited by the American Council on Pharmaceutical Education and is a member of the American Association of Colleges of Pharmacy.

## LOCATION

The George Washington University is located in the heart of the city of Washington, a short distance from the Potomac River and the Mall. Within a few blocks are the White House and the offices of many of the departments of the Government, including the Department of State, the Department of the Treasury, the Department of War, the Department of Justice, the Department of the Navy, the Department of the Interior, the Department of Agriculture, the Department of Commerce, and the Department of Labor. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are also near by, and the Capitol and the Library of Congress can be reached by streetcar in twenty minutes from any of the University buildings.

## GOVERNMENT

The government and general educational management of The George Washington University are vested in a self-perpetuating Board of Trustees, with the President of the University as member *ex officio*. The members of the Board are named for a period of three years and are divided into three classes. The members of one class are elected at each annual meeting to fill the places of the members whose terms of office expire. Two members of each class are nominated by the Alumni Association. The charter provides that "persons of every religious denomination shall be capable of being elected Trustees".

## ENDOWMENT

The endowment of The George Washington University is \$2,339,408.55. This figure does not include funds temporarily functioning as endowment nor the value of buildings, grounds, and equipment.

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THE LAW SCHOOL





## THE FACULTY

HECK MARVIN  
President of the University  
A.B. 1925

A.B. 1915, A.M. 1916, University of Southern California, A.M. 1917, Ph.D. 1919, Harvard University, LL.D. 1931, University of New Mexico. Lecturer 1914-19, University of Southern California. Assistant Professor 1919-20, Associate Professor of Chemistry, Instructor in Chemistry, 1920-22, University of California at Los Angeles, The Graduate Washington, President 1922-27, University of Arizona, President 1927-31, The University of Chicago.

FRANK CABELL VAN VLECK  
Professor of Law; Dean of the Law School  
A.B. 1908, LL.B.

**ASSOCIATE DEAN OF LAW; Dean of the Law School**  
A.B. 1908, LL.B. 1911, The George Washington University. S.D. 1924, Harvard University. Member Supreme Court, 1924-1925; 1925-1926; 1926-1927 at University of Missouri. Reporter on Conflict of Laws, American Law Institute, 1929-34. Research Fellow, 1934-35, Harvard University Law School. Instructor in Law, 1935-36. Assistant Professor of Law of the Law School, 1936-40. Professor of Law, 1940-44. Assistant Professor of Law, 1944-45. University of Maryland. 1945-46. Dean of the Law School, 1946-47. The George Washington University.

Subjects: Conflict of laws, Torts

PETER COLLINS CLEP  
Professor Emeritus of Law  
LL.B. 1925

[illegible]

WILL PHILLIPS ST  
Professor Emeritus of Law  
LL.B. 1884

[illegible]

Primer

[illegible]

Subject: Evidence, Most Courts

Primer

[illegible]

Subject: Constitutional Law, Taxation

**HECTOR GALLOWAY SPAULDING***Professor of Law*

B.S. 1900, University of Minnesota; LL.B. 1903, S.J.D. 1924, Harvard University. Acting Assistant Professor of Law 1914-15, Stanford University; in Practice of Law with Ritch, Woodford, Bovee and Butcher, New York City; with Cassoday, Butler, Lamb and Foster, Chicago; Assistant Professor of Law 1920-22, Professor of Law 1922-23, The George Washington University.

Subjects: Equity, Property, Labor Law

**WALTER LEWIS MOLL***Professor of Law*

A.B. 1898, Concordia College (Ind.); Graduate 1899, Concordia Theological Seminary (St. Louis); LL.B. 1923, Indiana University, S.J.D. 1924, Harvard University. University Scholar 1902-3, University Fellow 1903-4, Johns Hopkins University; Professor of English 1904-9, Professor of Greek 1909-20, Concordia College (Ind.); in Practice of Law with Olds & Thomas, Fort Wayne (Ind.), 1920-22, Instructor in Commercial Law 1920-21, Instructor in Law 1921-23, Indiana University; Professor of Law 1924-25, The George Washington University.

Subjects: Contracts, Trusts, Roman Law and Principles of the Civil Law

**WILLIAM THOMAS FRYER***Professor of Law*

A.B. 1922, LL.B. 1924, The George Washington University; J.D. 1925, Yale University. In Practice of Law with William Pepper Constable, Baltimore (Md.), 1924-26; Assistant Professor of Law 1926-29, Associate Professor of Law 1929-40; Professor of Law 1940-41, The George Washington University.

Subjects: Personal Property, Evidence, Civil Procedure

**SAUL CHESTERFIELD OPPENHEIM***Professor of Law*

A.B. 1918, A.M. 1920, Columbia University; J.D. 1926, S.J.D. 1929, University of Michigan. Instructor in Economics 1921-26, Teaching and Research Assistant to Dean of Law School 1926-27, University of Michigan; Assistant Professor of Law 1927-30, Associate Professor of Law 1930-40; Professor of Law 1940-41, The George Washington University.

Subjects: Bills and Notes, Trade Regulation, Sales

**LOYD HALL SUTTON***Adjunct Professor of Law*

B.S. 1908, Massachusetts Institute of Technology; LL.B. 1913, The George Washington University. Assistant Instructor in Engineering 1908-9, Massachusetts Institute of Technology, Assistant Examiner 1909-16, U. S. Patent Office, in Practice of Law 1916-19, Member 1927-28, Cameron, Kerkam & Sutton; Instructor 1914-17, Associate Professor 1917-35, Adjunct Professor of Law 1935-36, The George Washington University.

Subject: Patent Law

**SPENCER GORDON***Adjunct Professor of Law*

A.B. 1909, Princeton University, LL.B. 1912, The George Washington University. In Practice of Law 1912-13, Washington (D. C.) and Chicago; Member Convocation, Rublee, Acheson & Shorb, Washington (D. C.); Lecturer in Law 1922-23, Adjunct Professor of Law and Judge of the Moot Court 1936-37, The George Washington University.

Subject: Moot Court

**CONWAY PEYTON COE***Adjunct Professor of Law*

A.B. 1918, Randolph-Macon College; LL.B. 1922, The George Washington University. Assistant Examiner 1918-23, U. S. Patent Office, in Practice of Law 1923-24, Commissioner of Patents 1924-25; Adjunct Professor of Law 1937-38, The George Washington University.

Subject: Patent Moot Court



LEVI RUSSELL ALDEN

*Adjunct Professor of Law*

A.B. 1903, A.M. 1904, LL.B. 1906, The George Washington University. A.M. 1907, Harvard University. In Practice of Law 1908-. Washington (D. C.); Assistant in History 1903-4; Instructor in History 1904-6; Assistant Professor of History 1911-20; Assistant Professor of Commercial Law 1913-22; Professor of Commercial Law 1922-28; Lecturer on Admiralty 1920-38; Adjunct Professor of Law 1938-. The George Washington University.

Subject: Admiralty

GILBERT LEWIS HALL

*Adjunct Professor of Law*

A.B. 1899, Swarthmore College; LL.B. 1918, The George Washington University. Teacher and Division Superintendent of Schools 1901-10, P. I.; with U. S. Indian Service 1912-18; in Practice of Law with Clephane & Latimer, Washington (D. C.) 1918-36; Member 1936. Clephane, Latimer & Hall, Washington (D. C.); Lecturer in Law 1920-38, Adjunct Professor of Law 1938-. The George Washington University.

Subject: Moot Court

GEORGE BOWDOIN CRAIGHILL

*Adjunct Professor of Law*

A.B. 1904, University of the South; LL.B. 1906, Georgetown University. Member McKenney, Plannery and Craighill; Lecturer 1914-24, Washington College of Law; Adjunct Professor of Law 1939-. The George Washington University.

Subject: Moot Court

JAMES WARD MORRIS

*Adjunct Professor of Law*

A.B. 1912, University of North Carolina. In Practice of Law 1913-21. Special Assistant to the Attorney General 1913-34; Assistant Attorney General of the United States 1915-10; Associate Justice 1919-. United States District Court for the District of Columbia; Adjunct Professor of Law 1939-. The George Washington University.

Subject: Moot Court

CARVILLE DICKINSON BENSON, JR.

*Associate Professor of Law*

A.B. 1923, Johns Hopkins University; LL.B. 1923, S.J.D. 1926, Harvard University. In Practice of Law with Benson, Nick & Rowe, Baltimore (Md.), 1923-24; Assistant Professor of Law 1926-29, Emory University; Assistant Professor of Law 1929-33, Associate Professor of Law 1933-. The George Washington University.

Subjects: Judicial Process, Property III

JAMES FORRESTER DAVISON

*Associate Professor of Law*

A.B. 1921, LL.B. 1923, Dalhousie University; LL.M. 1924, S.J.D. 1929, Harvard University. Lecturer in Roman Law and Jurisprudence 1924-28; Assistant Professor of Roman Law and Jurisprudence 1928-30; University of Toronto; Brandeis Research Fellow 1928-29; Research Fellow 1929-30; Harvard University; Assistant Professor of Law 1931-33; Associate Professor of Law 1936-. The George Washington University.

Subjects: Administrative Law, Federal Jurisdiction, Legislation, Public Utilities

JOHN ALBERT MCINTIRE

*Associate Professor of Law*

A.B. 1928, Wittenberg College; LL.B. 1931, University of Cincinnati. Research Fellow 1935-36, Harvard University Law School; Editor 1937-. *Municipal Law Journal*; Executive Director 1938-. National Institute of Municipal Law Officers; Faculty Editor in Chief 1932-. *The George Washington Law Review*; Instructor in Law 1931-33; Assistant Professor of Law 1933-38, Associate Professor of Law 1938-. The George Washington University.

Subjects: Contracts, Current Decisions, Government Corporations, Municipal Corporations

## WILLIAM RANDALL COMPTON

*Associate Professor of Law*

LL.B. 1918, Union University (N. Y.); M.B.A. 1911, Harvard University; J.S.D. 1911, Cornell University. Clerk to Committee on Labor and Industry 1923-28, New York State Senate; Dean and Professor of Business Administration 1931-32, Green Mountain Junior College; in Practice of Law with McDowell and McDowell, Elmira (N. Y.) 1933-37; Assistant Professor of Law 1935-40, Associate Professor of Law 1940-41, The George Washington University.

Subjects: Criminal Law, Business Associations, Persons and Domestic Relations

## CHESTER CHARLES WARD

*Associate Professor of Law*

B.S. 1911, Georgetown University; LL.B. 1915, LL.M. 1916, The George Washington University. Legal Editor 1921-25, *U. S. Law Week*; Associate Editor 1927-28, *Legal Reporter*; Editor in Law 1935-37; Assistant Professor of Law 1917-20, Associate Professor of Law 1920-21, The George Washington University.

Subjects: Contracts, Torts, Labor Relations Regulation

## CLARENCE ALTHA MILLER

*Lecturer in Law*

LL.B. 1912, LL.M. 1921, The George Washington University. General Counsel, The American Short Line Railroad Association; Lecturer in Law 1923-24, The George Washington University.

Subject: Interstate Commerce Law and Procedure

## JAMES OLIVER MURDOCK

*Lecturer in Law*

Ph.D. 1919, University of Chicago; LL.B. 1924, Harvard University. Studied abroad 1915-16, Visiting at International Law at The Hague; in Practice of Law with Cowdrey, Washburn and Firm, New York City, 1921-25; Assistant U. S. Attorney 1925-27, U. S. District Court of N. Y.; Assistant Solicitor and Assistant Legal Advisor 1927-28, Dept. State; Counsel for the United States 1927-28; Lecturer in Law, Georgetown University; Secretary to American Delegation 1928-29; Lecturer in Law, School of American Studies, Columbia University and Abolitionism; Counsel for United States and United States Senator; Assistant in Private Practice of Law 1937-38; Lecturer in Law 1938-39, The George Washington University.

Subject: International Law

## JAMES ROBERT KIRKLAND

*Lecturer in Law*

A.B. 1917, LL.B. 1920, LL.M. 1921, The George Washington University. Assistant U. S. Attorney for the District of Columbia 1920-21; Assistant U. S. Attorney, New York; Prince & Kirkland, Washington (D. C.) Lecturer in Law 1934-35, The George Washington University.

Subject: Criminal Law

## JAMES ALBERT PIKE

*Lecturer in Law*

A.B. 1911, LL.B. 1916, University of Southern California; J.S.D. 1918, Yale University. Studied abroad 1916-17, Yale University; Legal Assistant, Green American Law Institute; Lecturer in Law 1920, 21, Columbia University; in American Attorneys, U. S. Supreme Court and Foreign Commission; Lecturer in Law 1930-31, The George Washington University.

Subject: Civil Procedure

## JUSTIN LINCOLN EDGERTON

*Associate in Law, Clerk of the Mast Court*

A.B. 1911, LL.B. 1914, The George Washington University. In Practice of Law with Peck & Naylor 1914-16, Washington (D. C.); Member 1916-17, Naylor, Pfeiffer and Edgerton, Washington (D. C.); Clerk of the Mast Court 1917-18; Associate in Law 1918-19, The George Washington University.

COMMITTEES\*

THE DEAN'S COUNCIL†

Carville Dickinson Benson, Jr.	John Albert McIntire
Charles Sager Collier	Walter Lewis Moll
William Randall Compton	Saul Chesterfield Oppenheim
James Forrester Davison	Hector Galloway Spaulding
William Thomas Fryer	Chester Charles Ward

COMMITTEE ON LIBRARY

Carville Dickinson Benson, Jr., <i>Chairman</i>	
James Forrester Davison	Hector Galloway Spaulding
William Thomas Fryer	The Law Librarian

COMMITTEE ON PROGRAMS FOR FACULTY MEETINGS

Charles Sager Collier, <i>Chairman</i>	
Hector Galloway Spaulding	Clarence Altha Miller

ADVISERS ON REGISTRATION

Carville Dickinson Benson, Jr.	William Thomas Fryer
Charles Sager Collier	Saul Chesterfield Oppenheim
William Randall Compton	Chester Charles Ward
Hector Galloway Spaulding	

GENERAL INFORMATION

INTRODUCTORY

The George Washington University Law School, established in 1826, discontinued later, and reorganized in 1865, is the oldest in the District of Columbia. The course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A course leading to the degree of Master of Laws was added in 1877. In 1900 the School took part in the organization of the Association of American Law Schools and has been a member of the association since that time. In 1911 the School became coeducational. On September 1, 1925, the entrance requirements were increased to two years

\* The President of the University and the Dean of the Law School are members ex officio of all committees.  
† Elected by the Faculty.



of college work; in 1936 they were increased to a college degree. The School is approved by the Council of Legal Education of the American Bar Association. The Law School building is named Stockton Hall in honor of the late Rear Admiral Charles Herbert Stockton, President of the University from 1910 to 1918.

#### THE LIBRARY

The Law School Library of 21,500 volumes contains the official reports of the decisions of the courts of last resort of all the states prior to the National Reporter System and of fourteen states complete to date; the National Reporter System, complete; the reports of the United States Supreme Court and lower federal courts, and the reports of federal administrative agencies; Shepard's Citations for the units of the Reporter System; the English Reprint and English Law Reports; the United States Statutes; the United States Code, Annotated, and the Federal Code, Annotated; reasonably complete sets of statutes of all of the states; the English statutes; the principal English and American digests and encyclopedias; collections of special reports and annotated cases; and the leading textbooks, casebooks, and legal periodicals.

The Library is open from 9:00 A.M. to 11:00 P.M. each class day (Saturday, 9:00 A.M. to 6:00 P.M.), and from 2:00 to 6:00 P.M. on Sunday.

#### THE LAW REVIEW

*The George Washington Law Review*, published monthly from November to June, inclusive, by the University, is edited by the Faculty and students of the Law School. It is devoted exclusively to the field of state and federal public law. The location of the University in the National Capital, where the primary sources of federal public law may be observed in operation, affords an unexcelled opportunity for specialization in this field.

The *Review* is edited by a Faculty editor-in-chief, a Faculty board of associate editors, a board of departmental advisory editors, and a board of student editors. The student editors are chosen each year from those students who have attained senior standing in their work for the degree in Law with an average grade of *B* or higher.

#### RESEARCH IN PUBLIC LAW

Washington, the capital of the Nation, furnishes unsurpassed advantages for research in the fields of public law. In it are the offices of the major executive departments, the Congress, the Supreme Court of the United States, and four lower federal courts. In the executive departments and among the many independent establishments of the Federal

Government there have been estimated to be between seventy-five and one hundred agencies the activities of which involve the various branches of public law, particularly administrative law. The student of public law can study at first hand the work of these administrative agencies. He also has available as sources for investigation their records of administrative adjudications. In addition there are more than double the number of law offices in the various departmental and independent agencies the principal business of which is public law.

To promote research in public law there have been established in the Law School seminars in Administrative Law, Business Associations, Constitutional Law, Trade Regulation, and Government Corporations. The purpose of this research is to train specialists in public law, either as government lawyers or as lawyers representing individuals or corporations in cases in which the Government is a party, and to assist in the analysis, clarification, formulation, and improvement of public law, substantive and procedural.

To enroll for this work students must be eligible to be regular students in the Law School and must have graduated from an approved law school with the degree of Bachelor of Laws or equivalent degree, or be senior candidates for the degree of Juris Doctor, candidates for the graduate research degree of Doctor of Juridical Science, or must be admitted by special permission of the member of the Faculty in charge.

#### THE STUDENT BAR ASSOCIATION

All students in the Law School are required to be members of the Student Bar Association. This is organized to enable students to become better acquainted with problems of the profession, to develop better professional ideals, and to bring about closer contact with members of the profession engaged in active practice of the law.

The work of the Student Bar Association is carried on by various committees and by group and general meetings of a professional and social nature. From time to time lectures are given by outstanding authorities on legal and professional problems. The various committees include the following: Lectures, Court Practice, Legal Aid, Case Clubs, Placement and Alumni Relations, Sections, Study Groups, and Social Affairs.

Each member of the Student Bar Association receives a subscription to *The George Washington Law Review*.

#### ORDER OF THE COIF

The Order of the Coif, a national honor society with chapters in thirty-five law schools, aims "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of

scholarship". The George Washington University Chapter was established in 1926. Students are elected each year from the highest-ranking 10 per cent of the graduating class of the Law School.

## ADMISSION

### APPLICATION FOR ADMISSION

A student desiring admission should obtain from the Office of the Director of Admissions an application blank which he should fill out completely and return to the Office of the Director of Admissions.

*To insure prompt action, applications should be filed not later than July 1 for the first semester, January 1 for the second semester, and May 1 for all Summer Sessions.*

*An applicant should request the registrar of each higher institution previously attended to mail directly to the Office of the Director of Admissions the transcript of his record, even though credits were not earned, together with an honorable dismissal from the institution last attended. The student must be in good standing as to scholarship and conduct, and must be eligible to return to the previously attended institutions in the semester for which he or she seeks admission to The George Washington University.*

### FOR THE DEGREES IN THE PROFESSIONAL COURSE

These degrees are Bachelor of Laws (LL.B.) and Juris Doctor (J.D.). To be admitted to candidacy for these degrees the applicant must have received before admission the degree of Bachelor of Arts or an equivalent degree from an approved college or university. The conferring of this degree must be evidenced by proper transcripts or certificates of record.

### ADVANCED STANDING

Advanced standing toward the degree of Bachelor of Laws may be granted for work successfully completed in other law schools which are members of the Association of American Law Schools. A student transferring from another approved law school with advanced standing must show that at the time he began the study of law at the other school he could have met the requirements then in force for admission to the Law School of The George Washington University.

Applicants for admission with advanced standing must file certified transcripts of record showing high school, college, and law credits. The right is reserved to refuse such credit, in whole or in part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work. No student admitted with advanced standing will be recommended for the degree of LL.B. until he has completed



in this School at least one full year of residence and passed successfully twenty-eight semester-hours with the required average for the degree. No student will be admitted who has been in attendance at another law school and who is ineligible, because of poor scholarship, to return to that school.

Students planning to attend summer school sessions at other law schools and desiring to use credits obtained at such schools in their course at this Law School must first have the courses they wish to take approved by the Dean. In no event will credits be recognized in excess of those which might be obtained in a similar period in this School.

Advanced standing toward the degree of Juris Doctor for work in other law schools will not be granted.

#### FOR THE DEGREES IN THE GRADUATE COURSE

These degrees are Master of Laws (LL.M.) and Doctor of Juridical Science (S.J.D.).

#### FOR THE DEGREE OF MASTER OF LAWS

Candidates for this degree must, at the time of their admission, have received the degree of Bachelor of Arts or an equivalent degree from an approved college or university and the degree of Bachelor of Laws or an equivalent degree from an approved law school.

#### FOR THE DEGREE OF DOCTOR OF JURIDICAL SCIENCE

To be admitted to candidacy for this degree an applicant (a) must have received the degree of Juris Doctor from The George Washington University Law School or (b) must have received the degree of Bachelor of Arts from an approved college, must have earned with distinguished record the degree of Bachelor of Laws or the equivalent from The George Washington University Law School or other approved law school, must have demonstrated outstanding capacity for scholarly work in the field of law, and must be accepted as a candidate by the Dean's Council of the Law School.

#### UNCLASSIFIED STUDENTS

Persons eligible for admission to regular standing but not candidates for degrees may, at the discretion of the Dean, be admitted as unclassified students.

Persons who are in good standing as candidates for degrees in other approved law schools may, at the discretion of the Dean, be admitted to take as unclassified students courses which will be accepted for credit in these other law schools. Such work will not be accepted for credit toward a degree at this law school.

### "UNIVERSITY STUDENTS" IN THE LAW SCHOOL

A limited number of persons who cannot qualify as candidates for a degree in Law, but who are over twenty-five years of age and who because of their maturity, training, and experience seem qualified to pursue the study of Law, may be admitted to the Division of University Students. Candidates for admission as "University students" in Law must file written applications, setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Each application must first be submitted to the Faculty of the Law School and approved by them. Approval will be granted only in unusual cases in which some special reason justifies admission. Work done by such "University students" will not be counted toward a degree.

### REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in the Law School until proper credentials have been filed and approved by the proper officers of the University (see "Admission", above).

In a case in which a student is permitted to drop a year course at the end of the first semester he must register for the second semester of that subject not later than one calendar year from the time the attendance in the first semester was completed.

Registration is permitted at the beginning of either semester and at the beginning of the first summer term. Students beginning the study of Law in the second semester, however, may pursue only a limited schedule. Such students may pursue other first-year courses in the succeeding summer session.

Qualified students who are entitled to advanced standing on records from other approved law schools or who have completed courses at this Law School during former periods of attendance may register at the beginning of the second semester for subjects which commence at that time, but not for year subjects.

Registration days for the academic year 1940-41 will be Thursday, Friday, and Saturday, September 19, 20, and 21, 1940, and Wednesday and Thursday, February 5 and 6, 1941. A late-registration fee of \$5 will be charged each student who is permitted to register after the regular registration days. No registration may be made for a semester subject after the first two weeks of a semester, or for a year subject after the first four weeks of the year.

Registration may be changed only with the permission of the Dean.

## FEES AND FINANCIAL REGULATIONS

University fee, for each semester or for any part thereof.....	\$8.00
Tuition fee, for each semester-hour.....	8.00
For candidates for the degree of Doctor of Juridical Science	
For work leading to and including the final examinations.....	240.00
Student Bar Association fee, for each semester or for any part thereof....	2.50
Graduation fee.....	20.00
Fee for special examinations, for each subject.....	5.00
Late-registration fee, charged students who fail to register within the designated period.....	5.00
Service fee, charged all students whose installment payments, not met when due on the sixteenth day, are paid between the seventeenth and twenty-first days, inclusive, of the month in which payment is due.....	1.00
Reinstatement fee, charged students who are reinstated after being suspended for delinquency in fees.....	5.00

## UNIVERSITY FEE

Payment of the University fee, charged all students, covers all expenses incident to registration and, in addition, secures to them the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the services of the Placement Office; (3) the use of University library facilities, except as otherwise designated; (4) gymnasium privileges; (5) admission to all athletic contests, unless otherwise specified; (6) subscription to the *University Hatchet*, the student newspaper; (7) admission to University debates; (8) medical attention and hospital services as described under the Department of Health Administration, page 30. These privileges, however, with the exception of the issuance of transcripts, terminate, and a student is no longer in residence, when he withdraws or is dropped from the University.

## STUDENT BAR ASSOCIATION FEE

This fee is charged all students. It secures membership in the Student Bar Association. Among the privileges of this membership is a subscription to *The George Washington Law Review* for the semester.

SUMMARY OF FEES FOR STUDENTS TAKING A  
REGULAR PROGRAM OF STUDY

## MORNING SECTIONS

University fee per semester, payable in advance.....	\$8.00
Student Bar Association fee per semester, payable in advance.....	2.50
Tuition fee for fourteen hours per week, per semester, payable if desired in three installments.....	112.00
Total per semester.....	\$122.50



## LATE-AFTERNOON SECTIONS

University fee per semester, payable in advance.....	\$8.00
Student Bar Association fee per semester, payable in advance.....	250
Tuition fee for ten hours per week, per semester, payable if desired in three installments.....	\$80.00
Total per semester.....	\$98.00

## PAYMENT OF FEES

All fees are payable at the Office of the Cashier, 725 Twenty-first Street NW. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each semester are due and payable in advance at the time of registration.

In exceptional cases, subject to the approval of the Comptroller, students may sign contracts for semester charges, except for the University fee and other fees payable in advance, permitting payments as follows:

First semester—one third at the time of registration, plus the University fee and deposits; one third on November 16; one third on December 16.

Second semester—one third at the time of registration, plus the University fee and deposits; one third on March 16; one third on April 16.

Students in the School of Medicine are not privileged to sign contracts for semester charges.

Students who fail to meet payments when due, on the sixteenth day, but who pay their fees between the seventeenth and twenty-first days, inclusive, of the month in which payment is due are charged a service fee of \$1. Students who fail to meet payments by the twenty-first day of the month in which payment is due will be suspended and may not attend classes until they have been officially reinstated and have paid all accrued fees and a reinstatement fee of \$5. A suspended student may not be reinstated for the semester after two weeks from the date of suspension. Applications for reinstatement are to be made to the Dean or Director of the College, School, or Division in which the student is registered.

Auditors pay a University fee of \$2 and all other fees chargeable to students registered for credit except the late-registration fee.

## WITHDRAWALS AND REFUNDS

Applications for withdrawals from the University or for changes in class schedules must be made in person or in writing to the Dean. Notification to an instructor is not an acceptable notice.

In authorized withdrawals and changes in schedules, financial adjustments will be made as follows:

First semester—withdrawals dated on or before November 15, cancellation of the second and third payments; withdrawals dated on or

before December 15, cancellation of the third payment. No refunds or rebates will be allowed on withdrawals dated subsequent to December 15.

Second semester—withdrawals dated on or before March 15, cancellation of the second and third payments; withdrawals dated on or before April 15, cancellation of the third payment. No refunds or rebates will be allowed on withdrawals dated subsequent to April 15.

In no case will the University fee or any part of an initial payment of fees be refunded, and in no case will tuition be reduced or refunded because of nonattendance upon classes.

Authorization to withdraw and certification for work done will not be given a student who has not a clear financial record.

#### SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

The following prizes are awarded annually in the Law School:

*Ellsworth Prize.*—The Ellsworth Prize of \$25, offered by Mr. Fritz von Briesen, is awarded to the student doing the best work in the subject of Patent Law Practice. It was awarded in 1938-39 to Charles Morris Hutchins.

*John Bell Larner Prize.*—This prize, established by the bequest of John Bell Larner, consists of a medal which is awarded annually to that member of the graduating class in the Law School who attains the highest average grade in the entire course for the degree of Bachelor of Laws. It was awarded in 1938-39 to Walther Erwin Wyss.

*John Ordronaux Prizes.*—These prizes were established in 1909 by the bequest of John Ordronaux. The amount of \$40 is awarded annually to the student in the Law School who has attained the highest average grade in the first-year, full-time, regular course; and \$40 to the student who has attained the highest average grade in the second-year, full-time, regular course. The former was awarded in 1938-39 to Henry C. Bruton and the latter to Robert M. Lemke.

Through the generosity of friends of the University a number of loan funds are available to students in the Law School. Among them is the Henry Strong-William A. Maury Loan Fund established by the Henry Strong Educational Foundation in memory of Henry Strong and William A. Maury. Application for loans should be made to the Comptroller of the University.

## GENERAL REGULATIONS

*Students in the Law School are subject to, and are expected to familiarize themselves with, the general University regulations stated in the University Catalogue.*

## HOURS OF INSTRUCTION

The regular course for full-time students is given from 9:10 A.M. to 1:00 P.M. Employed students may take the regular course in the classes held from 5:10 to 7:00 P.M.

## AMOUNT OF WORK

A student who takes a majority of his courses in the full-time sections, from 9:10 A.M. to 1:00 P.M., may, with the permission of the Dean, take work not exceeding fifteen hours a week. For such students the minimum period of attendance is three academic years.

A student who takes a majority of his courses in the afternoon sections may not register for more than ten hours a week. For such students the minimum period of attendance is four academic years.

The amount of work carried by any student may be restricted when, in the judgment of the Dean, the best interests of the student require it.

## ATTENDANCE

No student will be allowed credit in any subject unless he has been regularly registered and in regular attendance and has done all the work required in the course in that subject. A student who has been absent from more than 20 per cent of the classes in any subject will not be permitted to take the examination in the subject except with special permission of the Dean's Council.

## RESIDENCE REQUIREMENTS

A year's attendance in the late-afternoon classes for students with limited schedules is counted as residence for three fourths of a year. In the case of students admitted with advanced standing, at least one full year of this residence requirement must be spent in The George Washington University.

A student who at the end of any regular period of residence—the first semester, the second semester, or the summer session—has completed subjects which equal in semester-hours the total number of semester-hours required for the degree for which he is a candidate, but who has failed to complete the full residence requirements for that degree, must be in residence during additional periods sufficient to satisfy completely the residence requirements. In all such cases the student must be in resi-



dence during the entire period and must satisfy the attendance requirements of, and pass the examination in, at least one subject.

#### GRADES

The grade of a student in each subject is indicated by the letters *P* (55), passed, or *F* (below 55), failed. The meaning of these grades is as follows:

*P*, passed, means that the work has been successfully completed and credit given for the subject.

*F*, failed, means that the work in the subject has been a failure and that no credit will be given. To obtain credit the student must repeat the subject; but a student who has obtained an average of *C* in the work of the academic year and received a grade of *F* in only one subject may take the next regular examination in that subject, and if on such reexamination he obtains a passing grade he will be given credit in the subject with the grade thus obtained.

At the end of each academic year each student is given an average numerical grade for his work for the year. These numerical grades rank as follows: *A* (85-100), excellent; *B* (75-84), very good; *C* (65-74), good; *D* (below 65), poor—below standard for graduation.

#### EXAMINATIONS

Written examinations are held at the close of the first semester in subjects which are then completed and at the close of the second semester in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the final examination in a subject with the class in which he is enrolled may take the next regular examination given in the subject.

No student shall be given an examination in, or permitted to receive credit in, less than an entire subject. Any student who is permitted to register for one semester only of a year subject may not take the examination in that subject until the other semester has been completed.

No special examinations will be given; except that, upon written application to the Dean's Council, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take a postponed examination, may, at the discretion of the Dean's Council, be given a special examination not less than sixty days after the date of the one which he failed to take.

#### EXCLUSION AND PROBATION FOR POOR SCHOLARSHIP

Students who during an academic year fail in two or more full-year subjects or the equivalent in half-year subjects will be excluded. Such

students are not eligible to be registered in the Law School or to attend classes in the next academic year. They may, however, be admitted to the regular examinations in that academic year in those subjects in which they have made a grade below passing, 55, and if they receive a grade of passing in these subjects with an average sufficient to make their general average not less than C, 65, they will be reinstated at the beginning of the academic year next succeeding the passing of these examinations.

Students not subject to exclusion under the foregoing rule who at the end of an academic year have failed to maintain a general average of at least C, will be on probation during the next academic year. Students on probation may at the discretion of the Dean be required to reduce their programs of study. Students on probation will be excluded at the end of the probationary year unless they have made grades sufficient to give them a general average of at least C.

The general average of a student shall include all the grades in all the subjects taken while he is in the Law School working for a particular degree. When a subject has been repeated or a reexamination has been taken, both the first grade and the subsequent grade or grades shall be counted in the general average. A failure in a nonrequired subject shall also be counted.

In special cases in which it is clear that the student's failure does not indicate lack of ability to pursue the study of law, the students who have become subject to exclusion may be readmitted by vote of the Dean's Council of the Law School.

No students shall be put on probation or excluded on the work of one semester only, the work of the Summer Sessions, or as the result of a program of less than four hours a week during the academic year.

#### CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of semester-hours of credit as follows: First year, to twenty-seven; second year, twenty-eight to fifty-five; third year, fifty-six or more.

#### RIGHT TO DROP STUDENTS

The right is reserved by the University to drop any student from the University, or from any class or classes, whenever, in the interest of the student or the University, the University Administration deems it advisable to do so.

#### STUDENT LIFE

##### STUDENT ACTIVITIES

Control and direction of all student activities are vested in the Committees on Extracurricular Activities and Student Relationships. For list of student activities and rulings governing them see the special printed regulations of the University.

### LIVING ACCOMMODATIONS

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins.

All women students under twenty-three years of age must have their residences approved by the Director of Personnel Guidance. Registration is not complete until such approval is given.

The Hattie M. Strong Residence Hall is open to women students. Charges for rooms in Strong Hall for the academic year (September 15 to June 1) are as follows: In a single room with breakfast and dinner, \$425.00; in a double room with breakfast and dinner, \$365.50. Arrangements may be made to defray dormitory charges in monthly payments. Forms for application for room reservations, together with detailed information about the dormitory, may be obtained from the Director of Personnel Guidance.

The University has no dormitory for men. For the benefit of men students a register of rooms that have been inspected and approved is kept in the Office of the Director of Personnel Guidance, to whom inquiries in respect to housing facilities should be addressed. Single rooms usually range in price from \$20.00 to \$30.00 a month, and double rooms from \$10.00 to \$20.00 a month a person. Rooms with board consisting of breakfast and dinner cost from \$40.00 to \$50.00 a month a person.

The men's fraternities have houses which provide living accommodations for their members.

### PLACEMENT OFFICE

The Placement Office is maintained to assist graduates and students in finding positions for which their college work has prepared them, and to cooperate with employers who wish to fill vacancies. Enrollment is open to alumni members and students of the University without charge for placement.

For further information address the Placement Office.

### STUDENT EMPLOYMENT

An employment service is operated to assist self-supporting students in finding employment.

Prospective students who expect to earn any part of their expenses and who do not have definite appointments to positions before coming to Washington should have the means of support for at least one semester. A minimum budget of \$80 a month is recommended.

Many out-of-town students secure positions in the departments of the Government in Washington by taking the United States Civil



Service examinations in their home states. The hours of employment permit them to pursue a university course in the late afternoon and evening.

#### HEALTH ADMINISTRATION

The payment of the University fee entitles students to health services hereinafter described. Through reports from the students and University officials, the University attempts to keep informed as to all cases of illness among its students. This service is primarily diagnostic in its intent. It also provides first aid in the event of an emergency.

Medical privileges include: (1) the physical examination of all students entering from secondary schools;\* (2) three visits by the University physician or surgeon, office or residence (District of Columbia) in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and nursing in the University Hospital for not more than two weeks during a school year—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not apply to illness or disability incurred previous to the University term or prior to payment of the University registration fee.

Students are allowed, if they so desire, to engage physicians and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) students who have severed their connection with the University are ineligible for medical benefits; (4) students intending to train for athletic teams are required to pass a thorough examination at the beginning of each semester; (5) the above regulations apply also during the Summer Sessions of the University.

#### COURSES OF INSTRUCTION

The courses of instruction in Law are listed on pages 35-43.

#### THE DEGREES

##### IN THE PROFESSIONAL COURSE

These degrees are Bachelor of Laws (LL.B.) and Juris Doctor (J.D.).

\*A charge of \$2 is made if a student fails to appear for a physical examination during the period set for this purpose.

### REQUIREMENTS FOR THE DEGREE OF BACHELOR OF LAWS

To be recommended for this degree the student must have completed a residence period of not less than three academic years on a full-time basis. He must have completed eighty semester-hours with a general average of at least *C*. He must have completed the course in Moot Court.

### REQUIREMENTS FOR THE DEGREE OF JURIS DOCTOR

This degree is conferred as a recognition of the completion at the George Washington University Law School with unusually high rank of a full professional course of not less than three full years including experience in research and legal authorship and an introduction to comparative law.

To be recommended for this degree the student must have completed a residence period of not less than three academic years on a full-time basis. He must have completed eighty semester-hours with a general average of at least *B*. He must have completed the courses in Moot Court and in Roman Law and Principles of the Civil Law, must have been elected to the board of student editors of *The George Washington Law Review* in accordance with the requirements laid down by the Faculty for such elections, and must have done acceptable work as a member of the board for one academic year.

### CURRICULUM IN THE PROFESSIONAL COURSE

No student will be permitted to register for second-year subjects unless first-year subjects have been taken or are being taken, and no registration for a third-year subject will be approved unless the second-year subjects have been taken or are being taken.

Registration will not be approved for a subject unless the prerequisites for that subject as shown in the course of instruction have been met.

#### FIRST YEAR

Morning Sections	Sem. hrs.	Late-Afternoon Sections	Sem. hrs.
Civil Procedure .....	4	Contracts I .....	4
Contracts I .....	4	Criminal Law and Procedure.....	4
Criminal Law and Procedure.....	4	Judicial Process .....	4
Judicial Process .....	4	Property I .....	4
Property I .....	4	Torts .....	4
Property II .....	4		
Torts .....	4		
Total.....	28	Total.....	20

## SECOND YEAR

Morning Sections		Sem. hrs.	Late-Afternoon Sections		Sem. hrs.
Bills and Notes.....	4		Civil Procedure .....	4	
Constitutional Law I.....	4		Property II .....	4	
Contracts II .....	4		Contracts II .....	4	
Equity I .....	4		Equity I .....	4	
Evidence .....	4		Evidence .....	4	
Property III .....	4				
Trusts .....	4				
			Total.....		20
Total.....	28				

## THIRD YEAR

Morning Sections		Sem. hrs.	Late-Afternoon Sections		Sem. hrs.
Administrative Law I.....	4		Bills and Notes.....	4	
Business Associations I.....	4		Constitutional Law I.....	4	
Conflict of Laws.....	4		Trusts .....	4	
Moot Court .....	4		Property III .....	4	
Taxation .....	4		Business Associations I.....	4	
Trade Regulation I.....	4				
			Total.....		20
Total.....	24				

## FOURTH YEAR

Late-Afternoon Sections		Sem. hrs.
Administrative Law I.....	4	
Trade Regulation I.....	4	
Conflict of Laws.....	4	
Taxation .....	4	
Moot Court .....	4	
Total.....		20

ADDITIONAL SUBJECTS OPEN TO SECOND-  
OR THIRD-YEAR STUDENTS

	Sem. hrs.
Agency .....	4
Persons and Domestic Relations..	2
Sales .....	4

ADDITIONAL SUBJECTS OPEN TO THIRD-  
OR FOURTH-YEAR STUDENTS

	Sem. hrs.
Equity II .....	2
Federal Jurisdiction .....	2
Public Utilities .....	4
Security Transactions .....	4

## PATENT LAW CURRICULUM

To provide training for students who plan to specialize in Patent Law, the courses in Substantive Patent Law, Patent Office Practice, and Patent Moot Court are offered as third-year electives. They may be counted toward the degree of Bachelor of Laws or Juris Doctor, or they may be taken by qualified students not candidates for a degree.



## HONORS

The degree of Bachelor of Laws or of Juris Doctor "with distinction" will be awarded students who obtain a general average of *A* in the work for the degree.

## IN THE GRADUATE COURSE

These degrees are Master of Laws (LL.M.) and Doctor of Juridical Science (S.J.D.).

## REQUIREMENTS FOR THE DEGREE OF MASTER OF LAWS

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have completed satisfactorily five full-year courses or the equivalent, that is twenty semester-hours, of subjects in the graduate curriculum. In individual cases, third- or fourth-year subjects listed in the professional curriculum may be included in the program of study. All requirements for this degree must be completed in a period not exceeding two academic years.

## GRADUATE CURRICULUM

FIRST SEMESTER	Sem. hrs.	SECOND SEMESTER	Sem. hrs.
Administrative Law II.....	2	Administrative Law II.....	2
(Seminar in Special Problems)		(Seminar in Special Problems)	
Admiralty.....	2	Business Associations II (Seminar	
Business Associations II (Seminar		in Special Problems, including	
in Special Problems, including		Government Regulation).....	2
Government Regulation).....	2	Government Corporations.....	2
Constitutional Law II.....	2	(Including Seminar in Special	
(Seminar in Special Problems)		Problems)	
International Law.....	2	International Law.....	2
Labor Law.....	2	Interstate Commerce Commission	
Labor Relations Regulation.....	2	Law and Procedure.....	2
Municipal Corporations.....	2	Jurisprudence.....	2
Roman Law.....	2	Legislation.....	2
Trade Regulation II.....	2	Roman Law.....	2
(Seminar in Special Problems)		Trade Regulation II.....	2
Total.....	20	(Seminar in Special Problems)	
		Total.....	18

REQUIREMENTS FOR THE DEGREE OF DOCTOR  
OF JURIDICAL SCIENCE

To be recommended for this degree the student must have completed a residence period of not less than one academic year. He must have pursued a course of study and research designated by his consultative committee and approved by the Dean's Council of the Law School. At the conclusion of his first year of residence or at such other time as the

consultative committee may set, the candidate must pass an oral examination in those fields of study selected by the consultative committee. This examination shall be conducted by the consultative committee and such other members of the faculty as may be assigned by the Dean. He must then submit a thesis which in the opinion of the examining committee shall constitute a substantial contribution to the field of law concerned and be suitable for publication.

#### FIELDS OF STUDY AND INVESTIGATION

Fields of study may be selected from the following: Administrative Law, Civil Procedure, Conflict of Laws, Constitutional Law, Evidence, Federal Jurisdiction, Government Corporations, Government Regulation of Business Organization, History of Law, International Law, Labor Law, Municipal Corporations, Trade Regulation, and Trusts.

#### SUMMER SESSIONS

Work is conducted in the Law School during the Summer Sessions of the University. This work is in two terms of six weeks each. The requirements for admission and the standards of work are the same as those of the two semesters of the regular academic year. Instruction is given by members of the regular Faculty and by teachers invited from other approved law schools. Classes meet in the late afternoon from 5:10 until 7:00 o'clock.

The Summer Sessions for 1940 will begin on Monday, June 17. The first term will end July 29. The second term will begin on July 30 and end September 12.

The following courses will be given: First term—Judicial Process, Sales, Domestic Relations, and Conflict of Laws. Second term—Property I, Agency, Trusts, Public Utilities, and Federal Jurisdiction.

Four semester-hours' credit will be given for each subject completed, except Public Utilities and Federal Jurisdiction which will be two hours each.

The Summer Session for 1941 will begin on Monday June 16. The first term will end July 28. The second term will begin on July 29 and end on September 11.

A tentative schedule of subjects is announced as follows: Property I, Torts, Agency, Domestic Relations, Constitutional Law I, Future Interests, Sales, and Security Transactions.

The final schedule will be announced in November 1940.

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For catalogues, application blanks, and further information address the Director of Admissions.

## COURSES OF INSTRUCTION IN LAW

The courses of instruction listed below are subject to some slight change. The University reserves the right to withdraw any course announced.

The number which precedes the name of a course indicates the semester in which that course is offered. An odd number indicates that the course is offered in the first semester; an even number, that it is offered in the second semester; and a double number (e.g., 157-58), that it begins in the first semester and continues in the second.

First-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and graduate courses, from 401 to 500.

The number of semester-hours of credit given for the satisfactory completion of a course is indicated in parentheses after the name of the course. Thus, a year course giving two hours of credit each semester is marked (2-2), and a semester course giving two hours of credit is marked (2).

### 105-6 *Civil Procedure* (2-2)

Fryer, Pike

The function and composition of pleadings; the relation of pleadings to proof. Emphasis will be placed upon reforms of pleading, as exemplified by modern code provisions and court rules, including the new federal rules of procedure. Section A: Clark, Cases on Pleading and Procedure, 2d ed., 1940, Tues., 11:10 A.M., and Wed., 9:10 A.M.; section B: Pike, Cases and Materials on Civil Procedure, Tues., 5:10 to 7:00 P.M.

### 111-12 *Contracts I* (2-2)

McIntire, Ward

Promissory obligations covering the formalities of offer and acceptance, consideration, statute of frauds, formal instruments, rights of third parties, assignments, and joint obligations. Section A: Williston, Cases on Contracts, 4th ed., Fri., 11:10 A.M. to 1:00 P.M.; section B: Mon., 5:10 to 7:00 P.M.; section C: Tues., 5:10 to 7:00 P.M. Shepherd's Edition of Costigan's Cases on Contracts.

### 114 *Contracts I Special* (4)

Ward

Content same as Law 111-12. Mon. and Tues., 5:10 to 7:00 P.M. Williston, Cases on Contracts.

### 123-24 *Criminal Law and Procedure* (2-2)

Compton, Kirkland

Criminal act and intent; motive; mistake; criminal negligence; statutory crimes; solicitation, attempt; assault and battery; mayhem; false imprisonment; homicide; rape; larceny and



related offenses; burglary; arson; parties in crime; constitutional provisions; criminal procedure; evidence. Harno, *Cases and Other Materials on Criminal Law and Procedure*. Section A: Thurs., 11:10 A.M. to 1:00 P.M.; section B: Thurs., 5:10 to 7:00 P.M.; section C: Wed., 5:10 to 7:00 P.M.

126 *Criminal Law Special* (4)

Kirkland

Content same as Law 123-24. Thurs. and Fri., 5:10 to 7:00 P.M.

- 129-30 *Judicial Process and the Use of Legal Materials* (2-2) Benson  
Introduction to the study of law; development of English courts, procedure, legal profession, and law books; organization of American courts and legal profession; use of law books; study of trial procedure. Benson and Fryer, *Readings on the Study of Law and the Anglo-American Legal System*; Arnold and James, *Cases on Trials, Judgments, and Appeals*. Section A: Mon., 9:10 A.M., and Wed., 10:10 A.M.; section B: Tues., 5:10 to 7:00 P.M.; section C: Mon., 5:10 to 7:00 P.M.

Summer Sessions 1940 (4)—daily except Sat., 5:10 to 7:00 P.M., first term.

133-34 *Property I* (2-2)

Fryer

Actions concerning chattels and documentary intangibles; the concepts of property, possession, and ownership; bailments; liens, pledges, fixtures, and emblements. *Cases on Conversion*, in Bohlen, *Cases on Torts*; Bigelow, *Cases on Personal Property*; Fryer, *Readings on Personal Property*, 3d ed., 1938. Section A: Tues. and Fri., 9:10 A.M.; section B: Fri., 5:10 to 7:00 P.M.; section C: Thurs., 5:10 to 7:00 P.M.

Summer Sessions 1940 (4)—daily except Sat., 5:10 to 7:00 P.M., second term.

137-38 *Property II* (2-2)

Spaulding

Real property; introduction; estates; seisin; landlord and tenant; future interests at common law and under the statutes of uses and wills; merger; elementary study of remoteness and powers; adverse possession; prescription; natural rights. *Cases on Property*, vols. I and II. Section A: Wed., 12:10 P.M., and Thurs., 9:10 A.M.; section B: Wed., 5:10 to 7:00 P.M.

141-42 *Torts* (2-2)

Van Vleck, Ward

Civil liability for harms to legally protected interests. Topics include assault, battery, imprisonment, trespass, conversion, deceit, defamation, malicious prosecution, strict liability, negligence, affirmative duties, privilege, and legal causation. Section

A: Beale's edition of Ames and Smith, *Cases on Torts* and Supplement 1939. Mon., 11:10 A.M. to 1:00 P.M.; section B: Bohlen, *Cases on Torts*, Wed., 5:10 to 7:00 P.M.; section C: Bohlen, *Cases on Torts*, Fri., 5:10 to 7:00 P.M.

202 *Agency* (4)

Problems of agency in the conduct of business; partnerships. (Not offered in 1940-41.)

Summer Sessions 1940 (4)—Mechem, *Cases on Agency*, 2d ed. by Seavey, daily except Sat., 5:10 to 7:00 P.M., second term (McIntire).

209-10 *Bills and Notes* (2-2)

Oppenheim

Bills of exchange, promissory notes and checks, especially under the Negotiable Instruments Law; form and inception; principles of negotiability; indorsements; holders in due course; banker-depositor relationships; liability of maker and acceptor, drawer and indorser; discharge. Britton, *Cases on Bills and Notes*, 2d ed. Section A: Mon., 11:10 A.M., and Wed., 9:10 A.M.; section B: Mon., 5:10 to 7:00 P.M.

213-14 *Constitutional Law I* (2-2)

Collier

Historical introduction to American constitutional law; judicial approach and methods in dealing with questions of constitutional law; nature of justiciable controversies; doctrine of the separation of powers; powers of the National Government separately considered; the federal system; relation of the state courts and the federal courts. Dodd, *Cases on Constitutional Law*, 2d ed., 1937. Section A: Tues. and Fri., 11:10 A.M.; section B: Tues., 5:10 to 7:00 P.M.

221-22 *Contracts II* (2-2)

Moll

Performance; conditions express and implied; effect of plaintiff's failure to perform his promise; impossibility; illegality; quasi-contractual recovery in contract cases. Williston, *Cases on Contracts*, 4th ed., and Thurston, *Cases on Restitution*. Section A: Mon. and Thurs., 12:10 P.M.; section B: Thurs., 5:10 to 7:00 P.M.

231-32 *Equity I* (2-2)

Spaulding

Specific performance of contracts; equitable conversion, rights of third parties; statute of frauds; part performance with compensation; mutuality; conditions; fraud; mistake, hardship; equitable servitudes; powers of a court of equity; effect and enforceability elsewhere of its decrees. Chafee and Simpson, *Cases on Equity*. Section A: Mon. and Fri., 9:10 A.M.; section B: Fri., 5:10 to 7:00 P.M.

**241-42 Evidence (2-2)**

Latimer, Fryer

Functions of court and jury; witnesses; hearsay, opinion and circumstantial evidence; proof of authenticity, and contents of writings. Section A: Morgan and Maguire, Cases on Evidence. Wed. and Thurs., 11:10 A.M.; section B: Hinton, Cases on Evidence, 2d ed., 1931, Mon., 5:10 to 7:00 P.M.

**251-52 Property III (2-2)**

Benson

Conveyances, rents, easements, profits, licenses, covenants running with the land, and recording; formation and revocation of wills; testate and intestate succession. Kirkwood, Cases on Conveyances; case book on wills to be announced. Section A: Tues. and Thurs., 9:10 A.M.; section B: Thurs., 5:10 to 7:00 P.M.

**261-62 Sales (2-2)**

Transfer of property rights to chattels in various types of sales; documents of title and financing; rights and remedies of seller and buyer as to price, security, warranties, and inspection; third parties; effect of fraud; statute of frauds. Williston and McCurdy, Cases on Sales, 1932 ed. (Not offered in 1940-41.)

Summer Sessions 1940 (4)—daily except Sat., 5:10 to 7:00 P.M., first term (Oppenheim).

**303-4 Administrative Law I (2-2)**

Davison

Separation of powers of modern governments; legislative setting for administrative bodies; judicial control of administrative action, public utilities, taxation, alien laws, Federal Trade Commission, workmen's compensation, etc. Frankfurter and Davison, Cases on Administrative Law. Section A: Mon. and Tues., 11:10 A.M.; section B: Mon., 5:10 to 7:00 P.M.

**311-12 Business Associations I (2-2)**

Compton

Forms of associations used by modern industry, finance, and general business; legal requirements as to contributions of capital; powers and rights of corporations, corporate officials, and shareholders; meetings and other forms of joint action. Frey, Cases on Business Associations. Section A: Fri., 10:10 A.M. to 12:00 M.; section B: Fri., 5:10 to 7:00 P.M.

**315-16 Conflict of Laws (2-2)**

Van Vleck

Study of cases involving foreign elements; principles of jurisdiction and limitations upon its exercise; procedure, torts, workmen's compensation, contracts, property, family law, administration of estates, business associations. Cheatham, Dowling,



and Goodrich, Cases on Conflict of Laws. Section A: Wed., 10:10 A.M. to 12:00 M.; section B: Thurs., 5:10 to 7:00 P.M.

Summer Sessions 1940 (4)—daily except Sat., 5:10 to 7:00 P.M., first term.

321-22 *Current Decisions* (2-2) McIntire  
Required of, and limited to, members of the student staff of the *Law Review*.

324 *Equity II* (2) Spaulding  
Equitable remedies in general; interpleader; bills of peace; removal of cloud; cancellation; reformation; mistake; injunctions against torts; defenses to specific relief. When given as a year course, it includes defamation and material on protection of public and social interests. Case book to be announced. Mon., 5:10 to 7:00 P.M.

326 *Federal Jurisdiction* (2) Davison  
Constitutional origins and powers of courts in the federal judicial system; sources of law applicable to disputes in federal courts; business and extent of jurisdiction of federal courts. Frankfurter and Shulman, Cases on Federal Jurisdiction. Thurs., 5:10 to 7:00 P.M.  
Summer Sessions 1940 (2)—Tues. and Fri., 5:10 to 7:00 P.M., Wed., 6:10 P.M., second term.

329 *Insurance* (2)  
Current problems of insurance law in relation to insurance institutions and business practices, including historical development but emphasizing especially technical analysis of legal doctrines. Subjects include insurance carrier; interests protected by insurance; selection and control of risks; distribution of coverage. (Not offered in 1940-41.)

331 *Labor Law* (2) Spaulding  
Legality of collective action, of ends sought thereby and of means used in labor controversies; strike, picketing, boycott, union label, anti-union contracts, lockout, blacklist, trade agreements; limitations on labor injunctions; scope and validity of federal jurisdiction in labor controversies. Landis, Cases on Labor Law (with supplement) and supplementary material. Mon., 5:10 to 7:00 P.M.

334 *Legislation* (2) Davison  
A study of the problems and principles of legislation. Tues., 5:10 to 7:00 P.M.

335-36 *Moot Court* (2-2) Latimer, Hall, Gordon, Craighill,  
Morris, Edgerton

Open only to students who have completed fifty semester-hours.  
Prerequisite: Law 105-6 and 241-42. Section A: Sat., 9:10 to 11:00 A.M.; section B: Wed., 5:10 to 7:00 P.M.

345-46 *Patent Law* (2-2) Sutton

Substantive patent law: patents; conditions precedent to the grant; reissues; disclaimers; property rights in patents; state and federal regulation; enforcement of patents; Patent Office practice; analysis of the Rules of Practice and appeal and interference procedure. Mon., 5:10 to 7:00 P.M.

349-50 *Patent Moot Court* (2-2) Coe

This course may be elected instead of Law 335-36 to satisfy the Moot Court requirement. Both subjects may not be counted toward a degree. Wed., 5:10 to 7:00 P.M.

352 *Persons and Domestic Relations* (2)

Forms of family organization; the contract to marry; marriage; husband and wife; parent and child; family disorganization without judicial decree; annulment; divorce and separation. Madden and Compton, *Cases on Domestic Relations*. (Not offered in 1940-41.)

Summer Sessions 1940 (4)—daily except Sat., 5:10 to 7:00 P.M., first term (Compton).

353 *Public Utilities* (2) Davison

What businesses are affected with a public interest; limits of regulation of businesses affected with public interest; withdrawal from public service; ascertainment of value of property used for the public service and the fixing of adequate rates of return. Welch et al., *Cases on Public Utility Regulation*. Thurs., 5:10 to 7:00 P.M.

Summer Sessions 1940 (4)—Mon. and Thurs., 5:10 to 7:00 P.M., Wed., 5:10 P.M., second term.

363-64 *Security Transactions* (2-2)

Problems arising in connection with the creation of security interests in real and personal property, their transfer, enforcement, and extinguishment. The course will also deal with the more important problems in the field of suretyship and guaranty. Case book to be announced. (Not offered in 1940-41.) Offered in Summer Sessions of 1941.

371-72 *Taxation* (2-2)

Collier

Emphasis is placed on the federal estate tax and the federal income tax. Attention is paid also to state inheritance and income taxes. Problem of jurisdiction to tax, construction of tax statutes, methods of judicial review of administrative actions in the tax field, modern excise taxes on business concerns. Magill and Maguire, *Cases on Taxation*, 1936 ed. Section A: Thurs., 10:10 A.M. to 12:00 M.; section B: Fri., 5:10 to 7:00 P.M.

375-76 *Trade Regulation I* (2-2)

Oppenheim

Unfair trade practices, combination and monopoly at common law and under various statutes; trade-marks; business torts; Sherman Antitrust Act; Federal Trade Commission and Clayton Acts; marketing, price and patent practices; Fair Trade Acts; mergers; trade associations; remedies. Oppenheim, *Cases on Trade Regulation*. Section A: Wed. and Fri., 12:10 P.M.; section B: Thurs., 5:10 to 7:00 P.M.

381-82 *Trusts* (2-2)

Moll

Nature of a trust; creation of trust; elements of trust; charitable trusts; resulting and constructive trusts; administration of trusts; liabilities to third persons; transfer of interest of cestui que trust; persons bound by a trust; termination of a trust. Scott, *Cases on Trusts*, 3d ed. Section A: Mon. and Tues., 10:10 A.M.; section B: Wed., 5:10 to 7:00 P.M.

Summer Sessions 1940 (4)—daily except Sat., 5:10 to 7:00 P.M., second term.

403-4 *Administrative Law II* (2-2)

Davison

A research seminar course in special problems, including the study of specific administrative agencies, federal or state. Wed., 5:10 to 7:00 P.M.

405 *Admiralty* (2)

Alden

Federal and state jurisdiction; jurisdiction over waters, craft, contracts, torts, crimes, in equitable matters, etc.; laws applicable to maritime workers and maritime liens. Sayre, *Cases on the Law of Admiralty*. Wed., 5:10 to 7:00 P.M.

407 *Bankruptcy* (2)

Jurisdiction of subject matter, of persons; prerequisites to adjudication: in voluntary proceedings, in involuntary proceedings; administration; discharge; the amendments since 1933. Preparation of papers in bankruptcy proceedings. Case book to be announced. (Not offered in 1940-41.)



- 411-12 Business Associations II (2-2)** Compton  
A seminar: promotion; corporate stock; corporate bonds; capitalization; sale of securities; syndicate underwriting; surplus and dividend policies; expansion; intercorporate relations; holding companies; failure; reorganization; public regulations. Preparation of articles of incorporation. Case book to be announced. Tues., 5:10 to 7:00 P.M.
- 421 Constitutional Law II (2)** Collier  
A research seminar course in contemporary problems in constitutional law; special emphasis on interstate-commerce cases and due process of law. Mon., 5:10 to 7:00 P.M.
- 426 Government Corporations (2)** McIntire  
A research seminar course in organization, powers, functions, and legal relations of functional governmental units separately incorporated. Fri., 5:10 to 7:00 P.M.
- 431-32 International Law (2-2)** Murdock  
Decisions of national courts and international tribunals; national legislation and treaties to ascertain the nature, sources, substantive law, and judicial procedure applicable to the rights and duties of states, including a study of nationality laws. Hudson, Cases on International Law, 2d ed. Tues., 5:10 to 7:00 P.M.
- 434 Interstate Commerce Commission Law and Procedure (2)** Miller  
Commerce clause of the Constitution as related to regulation of carriers; regulation of interstate rail carriers by the states; Interstate Commerce Act; the Interstate Commerce Commission; practice and procedure before the Commission; judicial review. Miller, Cases and Materials on Interstate Commerce Commission Law and Procedure. Wed., 5:10 to 7:00 P.M.
- 436 Jurisprudence (2)** Collier  
History of jurisprudence schools of jurists, particularly the nineteenth century schools; sociological jurisprudence; theories of justice; the nature of law; law and morals; law and the state; the scope and subject matter of law; sources and forms of law; the traditional element; analysis of general legal conceptions. Mon., 5:10 to 7:00 P.M.
- 437 Labor Relations Regulation (2)** Ward  
Law of relations between workers and management under the National Labor Relations Act as developed by the National Labor Relations Board and courts; specific principles governing

collective bargaining, appropriate units, elections, interference with employee rights, discrimination, company unions, administrative remedies, and practice. Ward, Cases on Labor Relations Regulation. Tues., 5:10 to 7:00 P.M.

439 *Municipal Corporations (2)*

McIntire

Organization, powers, functions, and legal relations of local governmental units. Tooke and McIntire, Cases on Municipal Corporations. Fri., 5:10 to 7:00 P.M.

441-42 *Roman Law and Principles of the Civil Law (2-2)*

Moll

Historical introduction; sources and forms of the law; juristic acts; exercise and protection of rights; law of persons; law of property; law of obligations. Mimeographed materials. Tues., 5:10 to 7:00 P.M.

451-52 *Trade Regulation II (2-2)*

Oppenheim

A research seminar course in specific problems of trade regulation. Fri., 5:10 to 7:00 P.M.





# DEGREES CONFERRED

1939-40

## BACHELOR OF LAWS

JUNE 14, 1939

Alsup, William Wallace (With distinction)	Utah	Crouch, William Henry A.B. 1937, The George Washington University	Tenn.
Babbitt, Almon William	Ariz.	Custis, Henry Norment A.B. 1936, Hampden-Sydney College	D.C.
Bailey, James Keck A.B. 1935, Thiel College	Pa.	Davis, Jack Butler	Ky.
Barber, Stuart Bogart A.B. 1934, Dartmouth College	N.Y.	Dawson, Allen Cole	Ill.
Barger, Alphonso Sledge B.S. 1932, Howard College	Ala.	Ed B. 1935, Southern Illinois State Normal University	Ill.
Bayes, Guy M.	Ky.	DeMik, William John	Iowa
Beckham, Pearl Bowers, Jr. B.S. 1933, Davidson College	N.C.	Diamond, William John	Ala.
Bersheimer, Norman	Va.	Dismore, Andrew McDonald	Va.
Bingham, Rupert B.S. 1926, University of Pennsylvania	Mont.	Drury, John Burke A.B. 1934, The George Washington University	Nev.
Booth, Sherwood Kenneth A.B. 1932, Pennsylvania State College	Pa.	Earl, Ruden A. A.B. 1936, The George Washington University	Ohio
Boulger, Richard Valentine A.B. 1933, American University	N.Dak.	Eisenhart, Charles Higby B.S. 1929, Ohio State University	Conn.
Bowers, Chester Gaver A.B. 1932, The George Washington University	Md.	Fantlik, Edward Joseph	D.C.
Bayer, Evelyn Deatsch A.B. 1932, The George Washington University	D.C.	Farwood, William A.B. 1937, The George Washington University	N.Y.
Erke, Frederick Richard Byrd, Daniel Madison, Jr. Ph.B. 1936, Emory University	Conn.	Farr, John Alden	D.C.
A.M. 1937, The George Washington University	Ga.	Fletcher, Richard George, Jr. A.B. 1935, Harvard University	Okla.
Byrne, Paul Patrick Ph.B. 1932, Georgetown University	Pa.	Friedemann, William Gustav B.S. 1931, M.S. 1932, Oklahoma Agricultural and Mechanical College	Md.
Byron, Roger Alan A.B. 1935, Berea College	Ky.	Garland, Jerome McDuffee	N.C.
Campbell, James Milton A.B. 1937, The George Washington University	Md.	Glean, James Henry A.B. 1935, Hendrix College	D.C.
Carr, Basil Lorraine B.S. 1933, University of Michigan	Md.	Goldstein, Joseph Abe	Okla.
Chapin, Frank Mott Cleever, Sumner Charles	D.C.	Gordon, Paul Alan	Tex.
Clark, Hyman Edward Clark, Alan B. A.B. 1937, The George Washington University	Calif.	Gray, George O. A.B. 1935, The George Washington University	Utah
Clarke, Harriet Brookfield A.B. 1931, Wellesley College	Mo.	Haves, Oswald Gray B.S. 1935, The George Washington University	D.C.
Cleveland, Ruth Frances Cone, Fred Wesley	N.Dak.	Helvestene, Albert Harrison B.S. in Eng. 1933, B.S. in F.E. 1935, The George Washington University	Tex.
Crawford, George Bowdoin, Jr. A.B. 1936, University of the South	Ill.	Horsfield, James Albert Graduate 1934, United States Coast Guard Academy	Ariz.
Crampton, Scott Paul A.B. 1935, American University	D.C.	Hovt, Forrest T.	Md.
	Ohio	Huetter, Hugo Gustav, Jr. A.B. 1935, Princeton University	

Hunter, John Merritt, Jr. B.S. 1911, Harvard University	N.J.	Reeder, Samuel Bye, Jr. A.B. 1948, The George Washington University	D.C.
Hunter, William James Doherty	Va.	Replegle, Harold Hasting A.B. 1921, Indiana University	Ind.
Jacobs, John Roszell, Jr. A.B. 1914, A.M. 1915, The George Washington University	Va.	Ridar, Peter Anthony A.B. 1916, University of Colorado	Colo.
Johnson, Everett Royal B.S. 1914, University of Alaska	S.Dak.	Ridgely, Henry Johnson A.B. 1915, University of Delaware	Del.
Katley, Eva Lillian B.F.A. 1912, Nebraska Wesleyan University	Nebr.	Schneider, Robert Hamlin A.B. 1917, The George Washington University	Va.
Kay, Harry B.S. 1910, Massachusetts Institute of Technology	D.C.	Sebelius, Keith George Seidel, Murra Monsees A.B. 1918, The George Washington University	Kans. Colo.
Kelly, John Tyrone Kemp, Thomas Aubrey A.B. 1914, Bucknell University	N.Y.	Sherman, Paul Dwight B.B.A. 1930, Boston University	Mass.
Kennedy, Irene Murphy A.B. 1911, Harvard College	D.C.	Smith, Clyde Willard A.B. 1917, The George Washington University	Ill.
Kerby, John Hardy A.B. 1915, The George Washington University	D.C.	Sommer, Kenneth Richard B.S. 1918, The George Washington University	N.Y.
Kerrins, Joseph Arthur Graduate 1927, United States Coast Guard Academy	Mass.	Stallings, Mary Leslie A.B. 1915, University of Maryland	Tex.
Kimball, Frank Collette Kimball, S. Fielding King, Hughes Allison	Utah Utah Tex.	Stepler, Harold Gordon A.B. 1919, The George Washington University	Ind.
Kirkland, Ira Bird, Jr. Klavan, Harry S. Ph.B. 1915, University of Vermont	D.C. Vt.	Stevenson, Frederick Charles A.B. 1914, The George Washington University	N.J.
Kramer, Albert Jack B.S. 1930, University of Virginia	Va.	Strecker, Hayward William B.S. 1927, University of Pennsylvania	Ohio
Lambert, John Ross A.B. 1911, University of Tennessee	Tenn.	Sturm, George Wayne Sullivan, William Walter A.B. 1922, College of the Holy Cross	Calif. Conn.
Lassiter, Omega Charles A.B. 1915, University of Tulsa	Okla.	Susong, Alexander Elbert A.B. 1913, Virginia Military Institute	Tenn.
Luckett, Horace Peyton A.B. 1916, Franklin and Marshall College	D.C.	Tate, Edward Oscar A.B. 1911, American University	Tenn.
Martell, Helen Marie Matter, John Marchion B.S. 1915, New Mexico School of Mines	D.C. Mont.	Thomas, George Samuel A.B. 1915, The George Washington University	Ohio
McQuesten, Roseanna A.B. 1928, Stanford University	Wash.	Thompson, Frank Marion Thornton, James Read A.B. 1934, Brigham Young University	D.C. Utah
Medill, Daniel Kerfoot A.B. 1916, University of Delaware	Pa.	Tiemroth, Harold Herman Graduate 1924, United States Naval Academy	Calif.
Miller, Davidson Church A.B. 1915, The George Washington University	D.C.	Timberlake, Edmund Compton Van Dyke, Spencer Ellsworth	W.Va. Utah
Mosher, Ellsworth Hathaway B.S. 1911, Syracuse University	N.Y.	Verbruycke, J. Russell III Webster, Wallace H., Jr. Ph.B. 1934, Muhlenberg College	D.C. Pa.
Murphy, John Daniel Nelson, Fred Clayton Odom, Edward Everett, Jr. B.S. 1911, University of Virginia	N.Mex. Utah D.C.	Weil, John Allen Weisberger, Wilfred Harold B.S. 1912, University of Pennsylvania	Pa.
Owen, Dwight Hall Paris, Vinard LeVaine Parker, George Alton Parsons, George Ragsdale	N.H. N.Y. Utah	Wildes, Orville Ellwin A.B. 1918, The George Washington University	Wis.
Penland, John Cecil Pollock, Charles Frederick Ph.B. 1915, University of Wisconsin	N.C. Wis.	Williams, Ames William A.B. 1915, The George Washington University	N.J.
Porotto, Fortunato Irino Ramsey, Donald James Graduate 1924, United States Naval Academy	D.C. R.I.	Williamson, Howard Carl Henry B.S. 1910, State University of Iowa	Iowa
Reed, Emery A. A.B. 1915, Nebraska State Teachers College, Chadron	Nebr.	Wilson, Dorothy Roth A.B. 1916, University of Michigan	Mo.

## FEBRUARY 22, 1940

Andersen, Daniel Johannes A.B. 1917, The George Washington University	Va.	Nelson, Howard Moore B.S. 1913, University of Nebraska	Nebr.
Beckerman, Lawrence A.B. 1934, Brooklyn College	N.Y.	Phifer, George Henry Plumley, Fletcher D. P.	Mo. Vt.
Berndt, Leo	Okla.	A.B. 1928, Norwich University	
Burt, Barbara Bothwell	Ala.	M.B.A. 1931, Harvard University	
Campbell, Roy Davies, Jr. A.B. 1936, The George Washington University	Ark.	Race, Anthony Joseph A.B. 1915, Ohio University	Ohio
Carson, Raymond Kit Cooper, Walter Trexler	Tenn.	Rees, Hynum Fay Rhodes, Francis Marion	Miss. Mo.
Cureton, Stewart A.B. 1935, University of California	Pa. Calif.	A.B. 1912, Southeast Missouri State Teachers College	
Edwards, Luther Rice B.S. 1932, Virginia Polytechnic Institute	Va.	Rosemond, St. Julien Palmer Rosenfeld, Maurice Joseph	Fla. Oreg.
Elliott, Charles Francis A.B. 1911, Harvard University	Ga.	B.S. 1927, University of Oregon	Colo.
Fletcher, Howard, Jr. B.S. 1932, Virginia Military Institute	Va.	Scott, Tasso Harold A.B. 1911, University of Colorado	
Flynt, John James, Jr. A.B. 1916, University of Georgia	Va. Ga.	M.S. 1911, Georgetown University Sells, Oscar Hooper	Tenn.
Gaston, Leslie Homer B.S. 1920, Purdue University	Ind.	A.B. 1913, A.M. 1934, American University	
Gordon, Herman Lewis B.S. 1931, College of the City of New York	N.Y.	Shapiro, Harry Gerson B.S. 1937, The George Washington University	Md.
Hale, David Lawrence B.S. 1915, University of Colorado	Colo.	Shull, Lewis Frederick A.B. 1915, Nebraska State Normal College	Nebr.
Heer, Robert Renwick A.B. 1915, University of Illinois	Ill.	Sipkin, Chester Terbush, Theron Lee	N.Y. Okla.
Jackson, John Francis A.B. 1914, Santa Barbara State Teachers College	Calif.	B.S. 1916, University of Maryland	
Lester, Creed Jephing Ph.B. 1931, Kenyon College	Ohio	Troxler, William Byrd Watkins, Robert Edward	Tex. D.C.
Lloyd, Sherman P. B.S. 1935, Utah State Agricultural College	Utah	B.S. 1911, United States Naval Academy	
Maupin, Armistead Jones A.B. 1916, University of North Carolina	N.C.	Webber, William Hoban B.S. 1912, University of Pennsylvania	Pa.
McConnell, Robert C. A.B. 1915, University of New Mexico	N.Mex.	Wedge, Vernal Henry B.S. 1926, Brigham Young University	Nev.
		Whaling, Clifton Wendell A.B. 1932, Michigan State Normal College	Mich.
		Wilson, Lomisa A.B. 1928, Randolph-Macon Woman's College	N.C.

## MASTER OF LAWS

## JUNE 14, 1939

Bennett, Lorenzo Thompson, Jr. LL.B. 1916, A.B. 1918, The George Washington University	Mich.	Lyon, Merle Paul A.B. 1915, Oberlin College	Ill.
Burt, Ernest Hill B.S. 1914, Michigan State College of Agriculture and Applied Science	Mich.	J.D. 1921, University of Chicago	
Gagnie, Benito A.B. 1912, LL.B. 1934, Columbia University	N.Y.	Mostow, Elmer LL.B. 1937, The George Washington University	Md.
Hottenstein, David A.B. 1922, Western Maryland College	Md.	Rose, Mary Elizabeth A.B. 1934, LL.B. 1936, The George Washington University	Ill.
John, James Llewellyn Graduate 1920, United States Naval Academy	Ohio	Wilson, Samuel Stuart A.B. 1927, Marietta College	W.Va.
LL.B. 1935, The George Washington University		LL.B. 1937, The George Washington University	



FEBRUARY 22, 1940

Hoage, Alden Warne A.B. 1928, University of Maryland LL.B. 1932, The George Washington University	D.C.	Rounsaville, James Herdis B.B.A. 1932, University of Texas LL.B. 1939, The George Washington University	Tex.
Johnson, Hildemar Ernest LL.B. 1938, The George Washington University	N.Dak.		

## JURIS DOCTOR

JUNE 14, 1939

Adams, Bernard William A.B. 1933, University of Minnesota	Minn.	McAtee, Worland Peter A.B. 1932, University of New Mexico	N.Mex. Pa.
Bell, John Oscar B.S. 1934, The George Washington University	Fla.	Muller, Harry Slater B.S. 1934, Albright College	Ark.
Bennison, Adam Young (With distinction) A.B. 1935, University of Utah	Utah	Moore, Glenn Ellis A.B. 1932, University of Missouri	N.Mex.
Brown, Ben Hill, Jr. A.B. 1935, Wofford College	S.C.	Morris, Harry Oliver A.B. 1936, University of New Mexico	Nebr.
Cook, Donald Clarence A.B. 1932, M.B.A. 1935, University of Michigan	Mich.	O'Rourke, Charles Dennis (With distinction) A.B. 1935, Nebraska State Teachers College, Chadron	N.Y.
Davidson, Ida Parker (With distinction) A.B. 1931, Ohio State University	Va.	Richardson, Arthur Leon Bertram B.S. 1934, Harvard University	D.C.
Featherston, C. Maxley A.B. 1935, Hardin-Simmons University	Tex.	Robb, Eugene Sprivy A.B. 1939, University of Nebraska	Wash.
Fletcher, Lloyd, Jr. B.B.A. 1936, University of Texas	Tex.	Sharp, Robert Keith B.S. 1935, The George Washington University	Pa.
Freedman, Milton A.B. 1934, Brooklyn College	N.Y.	Smith, Harold Clair A.B. 1933, Pennsylvania State College	N.J.
Hutchins, Charles Morris (With distinction) B.S. 1934, Purdue University	Va.	Smith, Ralph Carlisle Chem.E. 1931, Rensselaer Polytechnic Institute	Utah
King, Clabourne Holt A.B. 1935, University of California at Los Angeles	Calif.	Stohl, Ralph Nelson A.B. 1934, University of Utah	La.
Leibowitz, Reuben B.S. in Eng. 1931, Chem.E. 1934, College of the City of New York	N.Y.	Sylvester, Malcolm Duncan Graduate 1925, United States Naval Academy	S.C.
Maroney, William Hannay B.S. 1924, Dartmouth College	N.Y.	Tyler, Lyon Leavenworth, Jr. B.S. 1935, College of Charleston	N.Y.
Martin, Hugh Jack (With distinction) Graduate 1934, United States Naval Academy	Ga.	Wyss, Walther Edwin (With distinction) B.S. 1933, M.S. 1934, University of Wisconsin	

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Haubner, John Wesley B.S. 1934, Princeton University	Va.	Hosley, Richard Elmer M.E. 1934, Cornell University	N.Y.
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are indicated by an asterisk (\*); others who were registered for the first semester only are indicated by a dagger (†); students registered for the second semester only are indicated by a double dagger (‡).

## A

[illegible]

## B

Bachman, Leo Adolph (Law III)	D.C.
Bachman, United States Naval Academy	
Baird, Howard Daniel (Law I)	D.C.
Baker, Edward Lansing (Law II)	W.Va.
A.B. Univ. Medical College	
\$Baldwin, Charles A. (Law I)	Iowa
A.B. Univ. of Wisconsin	
Balmain, R. Louis Raymond (Law II)	Ill.
A.B. Univ. of California	
Balmer, George H. (Law I)	D.C.
B.A. Yale University	
Balton, Thomas Richard (Law II)	D.C.
B.S., Socy. The George Washington University	
Ball, Edwin Lewis (Law III)	Olaio
A.B. Univ. Kentucky College	

Ball, James Andrew (Law I)	Ind.	‡Berg, Jacob (Law I)	N.Y.
A.B. 1936, Indiana State Teachers College		A.B. 1927, A.M. 1928, The George Washington University	
Banigan, Calvin Byron (Law I)	Nev.	Berger, Nedwin Gerhard (Law II)	Kans.
B.S. 1933, University of Nevada		B.S. 1932, University of Kansas	
Banks, Don H. (Law III)	Utah	Bernstein, Cyrus (Law I)	N.Y.
Banks, Elizabeth Anna (Law I)	Conn.	B.S. 1933, College of the City of New York	
A.B. 1912, The George Washington University		Best, Louis Morris (Law I)	Ark. Md.
Bannon, Francis L. (Law II)	Wash. Ill.	Beveridge, Andrew Bennie (Law II)	
‡Barber, Oren Gilbert (Law I)		B.S. 1936, University of Maryland	N.Y.
B.S. 1929, Northwestern University		Bier, William (Law I)	
Barnes, Joseph Francis (Law III)	Va.	B.S. 1930, Brooklyn College	Ohio
B.S. in Eng. 1923, University of Michigan		Bigler, James Campbell (Law I)	
Barr, John Lester, Jr. (Law I)	Md.	B.S. 1912, United States Naval Academy	Mo. Ohio
A.B. 1930, Harvard University		Blackburn, Ardis (Law III)	
Barrett, Charles Joseph (Law I)	Mass.	‡Blake, Eloise Sinks (Law I)	
A.B. 1930, Boston College		B.S. 1937, Western Reserve University	Va.
Barrett, Edward Newell (Law I)	Calif.	‡Bledsoe, Edwin Page, Jr. (Law, LL.M.)	
A.B. 1939, University of California		B.S. 1930, Washington and Lee University	
‡Bartelt, August Werner (Law I)	Wis.	LL.B. 1939, The George Washington University	D.C. Ohio
A.B. 1930, University of Wisconsin		Blond, Hyman J. (Law III)	
‡Baumgardner, Woodrow A. (Law II)	Tenn.	Body, Alfred Carpenter (Law II)	
A.B. 1934, Lincoln Memorial University		B.S. 1927, Case School of Applied Science	D.C.
‡Bayfield, William Wyndham (Law I)	D.C.	‡Bollinger, Theresa (Law I)	
B.S. 1929, Yale University		A.B. 1928, The George Washington University	Miss.
Bayles, James Madison, Jr. (Law III)	N.J.	Boock, John Adrian (Law I)	Minn.
A.B. 1934, Dartmouth College		A.B. 1937, University of Minnesota	N.J.
‡Beasley, Delmar Otis (Law III)	Miss.	Boone, Elizabeth Hine (Law II)	
A.B. 1934, The George Washington University		A.B. 1930, Sweet Briar College	Okla.
Beath, Paul Robert (Law I)	Nebr.	Booth, August Marshall (Law, Uncl.)	
A.B. 1928, University of Illinois		LL.B. 1932, The George Washington University	Pa.
A.M. 1930, University of Wisconsin		Boquel, Francis Wolle Peter (Law II)	
Beckel, Kenneth Philip (Law III)	D.C.	B.S. 1933, Lehigh University	Mo. N.C.
A.B. 1914, Stanford University		Borchelt, Benjamin August (Law I)	
*Beckerman, Lawrence (Law III)	N.Y.	‡Bootick, Wade H. (Law, Spec.)	N.H. Va. Ne.
A.B. 1934, Brooklyn College		B.S. 1930, Wake Forest College	
Beckler, David Zander (Law I)	N.Y.	‡Boucher, Lionel Rene (Law II)	
B.S. 1939, University of Rochester		Bowman, Charlotte Josephine (Law I)	
Beche, John Elliott (Law I)	Kans.	‡Bowrin, Walter Merritt (Law I)	
A.B. 1937, Municipal University of Wichita		A.B. 1936, University of Nevada	Okla.
Behn, Eric R. (Law II)	Va.	Boyet, John H. (Law III)	
B.S. in E.E. 1932, Cooper Union		A.B. 1924, Southeastern State Teachers College	Ohio
M.E.E. 1937, Polytechnic Institute of Brooklyn		Boyle, Freda Mary (Law I)	
Behn, Victor Dietrich (Law III)	N.Y.	A.B. 1937, Marietta College	Iowa
B.S. in E.E. 1931, Cooper Union		Bradley, Glenn M. (Law III)	
A.M. 1936, The George Washington University		B.S.C. 1932, A.M. 1938, Iowa State University	Ga.
Behrens, Arthur Hilstad (Law III)	Wash.	Bradley, L. Beauford (Law II)	
B.S. 1924, University of Washington		LL.B. 1924, Georgia State College for Women	N.Y.
Belen, Frederick Christopher (Law II)	Mich.	Brandshaft, Vivian (Law II)	
A.B. 1937, Michigan State College		A.B. 1934, Smith College	D.C. Mo. Ky.
Bell, George Moeuch (Law III)	D.C.	Braunstein, Lester (Law II)	
B.S. 1919, Utah State Agricultural College		Breckinridge, John (Law I)	
Renner, James Harrison (Law II)	Md.	‡Breckinridge, John Bayne (Law, LL.M.)	
A.B. 1930, University of Maryland		A.B. 1937, LL.B. 1939, University of Kentucky	Ill. Va.
Bennett, Millard MacDonald (Law II)	S.Dak.	Breithaupt, Harold Ernest (Law II)	
A.B. 1937, Yankton College		Breithaupt, Harry James, Jr. (Law II)	
Bennett, Winfield DeWitt (Law I)	D.C.	A.B. 1935, Roanoke College	
A.B. 1913, A.M. 1935, The George Washington University		A.M. 1936, Washington and Lee University	
Bennion, Richard Young (Law I)	Utah		
A.B. 1938, University of Utah			
Berens, Robert James (Law III)	Minn.		
B.B.A. 1936, University of Minnesota			

‡ Deceased.



Bronaugh, Alfred Taylor (Law I)	D.C.	C	
B.S. in E.E. 1930. The George Washington University		Cage, Edwin Menton (Law III)	Tex.
Bready, Alvin (Law I)	Mo.	A.B. 1928. The George Washington University	
B.S. 1937. University of Illinois		Caldwell, Samuel Craighead (Law I)	N.C.
Brown, Alberta (Law I)	Tex.	Calhoun, Edward Joseph (Law I)	D.C.
A.B. 1931. Mary Hardin-Baylor College		A.B. 1937. The George Washington University	
†Brown, Carey Wilson (Law I)	D.C.	Callomon, Ernest M. (Law I)	D.C.
A.B. 1920. A.M. 1931. The George Washington University		Doctor of Laws. 1919. University of Breslau	
Brown, George Robbins (Law III)	Ohio	Camp, Benjamin Jesse (Law III)	Ga.
A.B. 1918. The George Washington University		A.B. 1914. University of Georgia	
Brown, Mary Agnes (Law, LL.M.)	N.H.	Campbell, Harold Jud (Law I)	Ill.
A.B. 1924. LL.B. 1932. The George Washington University		A.B. 1919. University of Illinois	
Brown, Timothy Dwight (Law I)	S.C.	Campbell, Paul, Jr. (Law III)	Tenn.
A.B. 1938. University of North Carolina		A.B. 1917. Union College	
†Browder, William Tandy (Law I)	N.Mex.	†Campbell, Roger L. (Law I)	N.J.
B.B.A. 1940. University of Oklahoma		B.S. 1930. Newark College of Engineering	
Brace, Delbert H. (Law II)	S.Dak.	Cannon, Harry (Law II)	N.Y.
Braton, Henry Chester (Law II)	Va.	B.S.S. 1934. College of the City of New York	
B.S. 1926. United States Naval Academy		Carey, Harold Vincent (Law III)	Conn.
M.S. in E.E. 1935. University of California		Carraway, Drew Lawrence (Law III)	Ark.
Block, James Robert (Law I)	Colo.	A.B. 1935. Henderson State Teachers College	
B.S. 1938. Utah State Agricultural College		Carrico, Harry Lee (Law I)	Va.
Blevins, Irving (Law III)	N.J.	Carringer, Julius Milo (Law III)	W.Va.
B.S. 1934. United States Naval Academy		A.B. 1932. West Virginia University	
†Bunkley, Joel William (Law I)	Miss.	Carroll, Charles Liddon (Law I)	Fla.
A.B. 1938. College of William and Mary		A.B. 1938. University of Florida	
Borch, Jacob Landan (Law III)	D.C.	Carroll, Martin Joseph (Law II)	Md.
Boren, Peery T. (Law I)	Oreg.	B.S. in M.E. 1920. University of Pittsburgh	
B.S. 1928. University of Oregon		*Carson, Raymond Kit (Law III)	Tenn.
Borch, William A. (Law I)	N.Dak.	Caton, Leo Augustine (Law I)	Mass.
Dickinson, N. Dak.		B.S. 1934. Massachusetts Institute of Technology	
Borke, John Patrick (Law II)	Mont.	Carter, Henry (Law II)	Va.
Born, Richard Elwood (Law II)	N.J.	A.B. 1917. A.M. 1920. Yale University	
B.S. in E.E. 1933. University of Alabama		Caskie, John Minor (Law, Uncl.)	D.C.
†Bowers, Elizabeth Susong (Law, Uncl.)	Tenn.	A.B. 1934. LL.B. 1938. University of Virginia	
A.B. 1930. The George Washington University		Cass, Grace Margaret (Law I)	Mass.
Burkade, John Lockwood (Law II)	Md.	A.B. 1930. Rollins College	
B.S. 1926. United States Naval Academy		†Catalano, Joseph John (Law II)	N.Y.
Burt, Wellington R. (Law I)	Md.	B.S. 1937. Fordham University	
B.S. 1937. University of Michigan		Catt, Charles Elmer (Law II)	D.C.
Bush, Margaret Temple (Law II)	N.H.	Catudal, Honore Marcel (Law II)	Kans.
A.B. 1935. The George Washington University		A.B. 1922. St. Mary's College	
Bushman, Vernon Louis (Law III)	D.C.	A.M. 1923. Catholic University of America	
A.B. 1933. The George Washington University		†Caverly, Gardner Arthur (Law I)	N.H.
Bush, George Cabell (Law I)	D.C.	B.S. 1924. Northeastern University	
Byler, Carroll Woodward (Law I)	Ind.	Caviness, Pat (Law III)	Ark.
A.B. 1928. Indiana Central College		Chambers, John Newton (Law I)	La.
Byrne, Frank R. (Law III)	D.C.	A.B. 1930. Louisiana College	
B.B. 1926. Creighton University		†Chambers, Richmond D. (Law I)	D.C.
†Byrne, Peter Thomas (Law, Spec.)	Md.	Chapman, John Kenton (Law III)	Miss.
		A.B. 1932. University of Alabama	
		Chapman, Philip Freeland (Law I)	Maine.
		A.B. 1928. Bowdoin College	
		†Chase, James Allen (Law I)	Ohio.
		A.B. 1928. Ohio University	
		Chew, Thomas Gordon (Law III)	Ind.
		Christie, Alfred III (Law I)	Md.
		A.B. 1930. The George Washington University	
		Clarett, Helen Lord (Law II)	Va.
		A.B. 1938. University of Puerto Rico	



Dowling, Joseph French (Law I)  
A.B. 1918, Yeshiva College  
Dr. Israel, Charles H. (Law I)  
BS. 1918, Bradley Polytechnic In-  
stitute  
Duberstein, Norman (Law II)  
BS. 1912, College of the City of  
New York  
Dallas, Jack (Law I)  
Dun, Dorothy Ann (Law I)  
A.B. 1919, University of Iowa  
Davall, Andrea Bessie, Jr. (Law I)  
A.B. 1919, Princeton University

S.Dak.  
Ill.

†Fisher, Solomon (Law, LL.M.) N.Y.  
A.B. 1918, LL.B. 1918, Columbia  
University

Fitzgerald, Richard Alfred (Law III) Mich.  
A.B. 1916, Western State Teachers  
College, Kalamazoo

Fleming, William Stuart (Law II) Tenn.  
A.B. 1917, University of the South

†Fletcher, Elvett Jr. (Law LL.M.) Tex.  
B.B.A. 1916, University of Texas

FD. 1912, The George Washington  
University

Flood, Charles Henry Burke (Law III) Fla.  
A.B. 1918, The George Washington  
University

†Flood, James Leontia (Law II) Ga.  
Flood, Douglas C. (Law I) N.Y.  
A.B. 1914, College of New Rochelle

Foley, James Herbert (Law III) Tex.  
A.B. 1914, College of Wooster

†Folger, William Everett (Law, Uncl.) Tex.  
A.B. 1912, Texas Agricultural and  
Mechanical College

FD. 1917, Lewis University D.C.  
Ford, J. Carter (Law II)

A.B. 1917, A.M. 1919, Vanderbilt  
University

Forbes, Gordon (Law I) Wis.  
A.B. 1911, University of Wisconsin

Frankson, William (Law II) N.J.  
A.B. 1914, Rutgers University

Frank, Paul A. (Law II) Ky.  
BS. in P.E. 1912, University of  
Louisville

Franklin, John Ransom (Law II) Tenn.  
Finner, George B. (Law LL.M.) D.C.  
A.B. 1916, Dickinson College

LL.B. 1919, Howard University W.Va.  
Fry, William Neil (Law I)

BS. in M.E. 1919, The George  
Washington University

†Fry, Harry Cook (Law I) D.C.  
A.B. 1917, Radcliffe College

†Fry, James Fred (Law, Uncl.) Ill.  
A.B. 1916, University of Illinois

M.B.A. 1911, New York University D.C.  
Fryer, Charles E. Spence (Law I)

Licentiate in Laws, 1908, University  
of Paris Law School

Graduate 1908, Faculté des Sciences  
Polytechniques, Paris

Fulton, Leonard John (Law I) D.C.  
A.B. 1918, Fairmont State Teachers  
College

M.S. 1919, West Virginia University  
Furman, Robert Edward (Law I) Va.  
BS. 1917, Mount Vernon College

Furman, William Arthur (Law III) D.C.  
BS. 1911, Leland University

G

Gordon, Frank Weston, Jr. (Law III) Ala.  
A.B. 1914, University of the South

Gordon, James J. (Law, LL.M.) N.Y.  
BS. 1914, United States Naval  
Academy

Gordon, Thomas Eugene Fair (Law, LL.M.) Mont.  
A.B. 1917, LL.B. 1918, The George  
Washington University

Gordon, David T. (Law I) Oreg.  
BS. 1911, University of Oregon

E

Eaton, Paul Russell (Law I) Ariz.  
A.B. 1918, University of Arizona

†Ebelstein, Harry M. (Law, Spec.) D.C.  
LL.B. 1922, New York University

Edwards, Carlton, Jr. (Law II) D.C.  
A.B. 1919, The George Washington  
University

\*Edwards, Luther Rice (Law III) Va.  
BS. 1912, Virginia Polytechnic In-  
stitute

Eisenstein, Earl Lee, Jr. (Law II) D.C.  
A.B. 1918, The George Washington  
University

Elliott, M. John (Law II) Conn.  
†Ellis, Cyril Foxhall (Law I) D.C.  
Ellis, John (Law I)

D.C.  
Ellison, James Thomas (Law II) Tenn.  
A.B. 1918, University of North  
Carolina

†Elliott, George C. (Law, Uncl.) Ohio  
Emery, Walter J. (Law I) Mich.  
BS. in M.E. 1918, University of  
Michigan

Emery, Thomas Y. (Law I) Tenn.  
†Emery, Frank Louis (Law I) Md.  
BS. 1918, University of Maryland

Emery, Louis (Law I) D.C.  
Emery, Louis (Law I) D.C.  
BS. in Chem. E. 1914, Lehigh Uni-  
versity

Ewing, Phyllis Leola (Law III) D.C.

F

Faria, Sammie Merage (Law II) Okla.  
Faria, Marvin L. (Law II) Nebr.  
†Farmer, Guy Otto (Law LL.M.) W.Va.  
A.B. 1914, LL.B. 1916, West Vir-  
ginia University

Farr, John (Law II) N.Y.  
Farr, James Lewis (Law I) Cal.  
Farr, Mary (Law III) Idaho

A.B. 1911, University of Idaho  
Farrington, George S. III (Law II) D.C.  
Farrington, Roger L. (Law III) Kans.

A.B. 1918, The George Washington  
University

Farr, Robert (Law II) N.Y.  
Farr, Howard Vincent (Law II) M.  
BS. 1914, MS. 1914, Washington  
University

Farrington, Robert (Law II) N.Y.  
Farrington, Robert (Law II) N.Y.  
BS. 1914, Fairmont State Teachers  
College

Farrington, Robert (Law II) Va.  
BS. 1914, LL.B. 1914, Duquesne Institute

Farrington, Robert (Law I) Iowa  
Fisher, Jerome L. (Law I)



Gartrell, Everett Albert (Law III)	D.C.	Haelele, Donald James (Law II)	Ohio
B.S. in E.E. 1931, Worcester Poly- technic Institute		B.S. in Eng. 1933, University of Michigan	
Gearhart, Ernest Theodore (Law II)	Va.	M.S. 1934, Case School of Applied Science	Idaho
A.B. 1936, University of Richmond		Hagen, Arthur Chris (Law III)	Idaho
Gee, Merrill Kerr (Law III)	Idaho	B.S. in E.E. 1935, University of Idaho	
Gere, Donald William (Law I)	N. Mex.	Haggett, Edward Grant, Jr. (Law II)	Maine
A.B. 1930, University of New Mexico		B.S. 1933, University of Maine	
Gersten, Maurice R. (Law II)	Conn.	Halder, Robert Winter (Law I)	Wash.
A.B. 1938, The George Washington University		B.S. 1936, Columbia University	Ga.
Gertler, Monton (Law II)	D.C.	Hall, Fred Hubert (Law III)	N.C.
B.S. 1940, The George Washington University		Hamer, Edward Ryan (Law III)	
Gibbons, Robert de Forest (Law II)	Mich.	A.B. 1931, University of North Carolina	D.C.
Gibeau, Charles John (Law III)	Calif.	†Hampson, Charles Edward (Law I)	
B.S. 1934, University of California		A.B. 1937, University of Pittsburgh	Ala.
Gilbert, Gordon E. (Law I)	Ohio	Hardzog, Walter Albin (Law, Uncl.)	Mass.
B.S. 1930, Ohio University		Harmon, Elmer Winfred (Law II)	
Gildenhorn, Myer (Law I)	N.Y.	B.S. 1930, M.S. 1933, Massachu- setts Institute of Technology	Utah
B.C.S. 1935, Southeastern University		Harmon, Robert Luther (Law I)	Tex.
†Gill, Norman Nahum (Law, Uncl.)	Wis.	Harness, Nell White (Law I)	
Ph.B. 1932, University of Chicago		A.B. 1937, Texas Christian Uni- versity	Iowa
†Gill, Samuel Criswell (Law I)	Mo.	Harrington, Dayton M. (Law I)	D.C.
B.S. 1935, University of Missouri		B.S. 1939, University of Iowa	
Glassman, Lawrence (Law I)	Mass.	Harris, Jerome Joseph (Law III)	
B.S. 1928, M.S. 1929, Massachusetts Institute of Technology		A.B. 1936, The George Washington University	Iowa
†Goding, Maurice Wilfred (Law I)	Alaska	Harris, Lois Elizabeth (Law II)	N.Y.
A.B. 1933, Yankton College		A.B. 1937, Drake University	
Goldberg, Joseph (Law I)	N.Y.	Harris, Lucy Amil (Law I)	Ark.
A.B. 1934, Brooklyn College		A.B. 1928, Rollins College	Calif.
Goldstein, Jeanette Gertrude (Law III)	Va.	Harrison, Cecil Roy (Law II)	Mont.
B.S. 1935, Rollins College		Harrison, Harold Steele (Law I)	Md.
Gollon, Frank Roseben (Law II)	N.Y.	Harrison, John Conway (Law III)	
B.S. 1931, B.C.E. 1934, College of the City of New York		Hayes, Oliver Walcott (Law II)	D.C.
Golway, Everett Arthur (Law II)	Mass.	B.S. 1937, Brown University	
B.S. 1931, Boston University		Haynes, John Lennais (Law III)	
Goodykoontz, William Francis (Law III)	W.Va.	B.S. in C.E. 1930, The George Washington University	Okl.
A.B. 1934, The George Washington University		Hays, Jack Newton, Jr. (Law I)	N.C.
Gordin, Shepherd (Law I)	Fla.	A.B. 1938, University of Tulsa	N.Y.
†Goslin, Finley Harrison (Law II)	Okla.	Head, James Felton (Law I)	
A.B. 1936, Phillips University		Hecker, Edwin (Law I)	Wash.
Grabber, John Leroy (Law I)	D.C.	B.S. 1945, College of the City of New York	
A.B. 1939, Kalamazoo College		Heers, William Henry (Law I)	
Graham, Elmer F. (Law I)	Ind.	A.B. 1930, Whitman College	
Graham, James Deushalm, Jr. (Law I)	Mont.	A.B. 1937, The George Washington University	Ind.
A.B. 1939, Carroll College		Henry, George Robert (Law I)	Idaho
Green, William Stevenson (Law III)	Pa.	A.B. 1940, The George Washington University	
A.B. 1931, A.M. 1932, Pennsylvania State College		Henry, Paul Lelan (Law I)	N. Mex.
Grigg, Edward Burns (Law II)	N. Mex.	B.S. 1938, University of Utah	
B.S. 1933, New Mexico State Teachers College		Hertzmark, Sam Sidney (Law I)	
A.B. 1936, Oxford University		A.B. 1939, University of New Mexico	W.Va.
Gregory, Jesse Manning (Law I)	Va.	†Hess, Frederick William (Law I)	D.C.
Griffith, Kelley E. (Law II)	Va.	A.B. 1939, West Virginia University	
		Hilder, Frazer Frost (Law III)	D.C.
		A.B. 1934, University of Michigan	
		Hilder, Peter Frost (Law III)	
		B.S. in C.E. 1936, University of Maryland	Ind.
		Hill, Dorothy Jeanne (Law I)	
		B.S. 1932, B.S. in L.S. 1933, M.S. 1937, University of Illinois	Ill.
		Hill, John Robert (Law III)	

## H







Little, Wendell Erasmus (Law II)	N.Mex.	Matson, Walter David (Law I)	Md.
A.B. 1932, University of Texas		A.B. 1931, University of Michigan	
A.M. 1936, American University		Mauritz, Frank Edward (Law II)	D.C.
Livingston, George H. (Law I)	D.C.	B.Eng. 1935, D.Eng. 1937, Johns Hopkins University	
B.S. 1934, University of Maryland		May, William (Law I)	D.C.
Load, Max George (Law III)	Utah	A.B. 1938, American University	
Lockwood, Katherine (Law I and II)	D.C.	Mayer, John Donald (Law I)	N.Y.
LL.B. 1911, The George Washington University		A.B. 1925, University of Wisconsin	
Longmire, George (Law I)	D.C.	McCabe, William Ward (Law I)	Ky.
A.B. 1948, Lincoln Memorial University		A.B. 1941, The George Washington University	
Lowell, Rosalind Virginia (Law I)	Ohio	McCay, George (Law, LL.M.)	S.C.
A.B. 1936, The George Washington University		B.S. 1932, College of Charleston	
Low, Fidel Klavins (Law I)	D.C.	LL.B. 1935, The George Washington University	
A.B. 1934, A.M. 1939, The George Washington University		McCave, Martin Elias (Law, LL.M.)	S.C.
Lowmyer, Edmund (Law I)	N.Y.	B.S. 1932, College of Charleston	
B.S. 1931, College of the City of New York		LL.B. 1935, The George Washington University	
AM 1938, The George Washington University		McClare, John Kenneth (Law II)	N.Y.
Lute, William Teller (Law I)	Colo.	A.B. 1927, Yale University	
A.B. 1932, University of Denver		McClary, Forrest Thurston (Law II)	Ms.
Lyman, Joseph Elmer (Law III)	D.C.	A.B. 1937, University of Missouri	
A.B. 1935, B.A. 1937, University of Tennessee (Law III)		McClure, Jack Clay (Law I)	Mo.
Lynde, Walter Leonard (Law I)	Mont. (Ohio)	A.B. 1937, University of Missouri	
Lyons, Robert Melvin (Law I)	Tex.	McGowan, William Taylor (Law II)	W.Va.
B.S. 1934, University of Texas		McGraw, Edward Thomas (Law I)	Conn.
		McGraw, John William (Law II)	
		A.B. 1937, University of Colorado	
		McGraw, David Thomas (Law I)	Ark.
		A.B. 1935, The George Washington University	
		Ph.D. 1938, University of Pennsylvania	
		McDonald, Marion Foy (Law III)	N.C.
		A.B. 1932, Davidson College	
		McDonald, Alexander Stuart (Law III)	Calif.
		B.S. 1927, United States Naval Academy	
		McDonald, Richard Orr (Law I)	Nebr.
		M.D. 1930, George Washington University	D.C.
		A.B. 1928, St. John's College	
		LL.B. 1932, The George Washington University	
		McDonald, Zoe Charlotte (Law I)	Ind.
		A.B. 1937, The George Washington University	
		McGowan, Charles Francis (Law I)	W.Va.
		A.B. 1938, Ohio University	
		McGowan, Thomas Frank (Law II)	Ky.
		A.B. 1937, Bacon College	
		McIntire, Annabelle (Law I)	Ohio
		A.B. 1935, Wittenberg College	
		B.S. 1935, Indiana State University	
		McKee, Eugene Bentley (Law II)	Oreg.
		B.S. 1937, United States Naval Academy	
		McMurry, Thomas Savelle (Law I)	S.C.
		A.B. 1935, University of South Carolina	
		McQueen, James Russell, Jr. (Law I)	Md.
		A.B. 1935, St. John's College	
		McRae, Robert Bruce (Law I)	Nebr.
		A.B. 1935, American University	
		Meade, Margaret Jane (Law I)	Panama
		A.B. 1935, The George Washington University	
		Meisel, Mack (Law, Spec.)	Va.
		Meiser, Herbert (Law III)	Calif.
		B.S. 1934, University of California	
		Michaelis, Luthar (Law III)	D.C.

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†Parshall, Rose (Law I)	Mont.		R		
B.S. 1938, University of Kansas					
Patterson, Thomas Pence (Law II)	Nebr.	Raker, John Peter (Law III)	Pa.		
B.S. 1946, University of Nebraska		A.B. 1936, Muhlenberg College	Iowa		
†Patten, William Henry (Law II)	N.Mex.	Ramsayer, Jane Phillips (Law I)			
Paul, Walter Edward (Law I)	Okla.	A.B. 1938, The George Washington			
Pearce, Garth Coe (Law I)	Utah	University			
Pearse, John Frederick (Law III)	Calif.	†Range, Blanche Vandalia (Law I)	Tenn.		
B.S. 1944, California Institute of		B.S. 1933, East Tennessee State			
Technology		Teachers College			
Perk, Kinsley Congdon (Law III)	N.Y.	Rankin, Joseph Winfield (Law I)	Idaho		
B.S. in Law, M.S. 1942, University		†Raper, Julian Ellsworth (Law I)	N.C.		
of Michigan		A.B. 1942, University of North			
Penstone, Giles Henry (Law, LL.M.)	Ill.	Carolina			
Ph.B. 1928, J.D. 1930, University		Ratner, Benjamin (Law II)	N.Y.		
of Chicago		A.B. 1923, Brooklyn College			
Petersen, William Theodore (Law II)	Ga.	Ravitz, Harry I. (Law III)	Utah		
A.B. 1942, University of Georgia		B.S. 1927, University of Utah			
Peterson, Leonard Dittell (Law I)	Ohio	†Ray, George Wesley (Law I)	Miss.		
A.B. 1919, The George Washington		B.S. 1934, University of Mississippi			
University		M.B.A. 1936, Harvard University			
Peterson, Robert Jennings (Law II)	Ark.	Rav, John Wesley (Law I)	D.C.		
A.B. 1936, Clarke College	Wyo.	A.B. 1948, Washington and Lee			
Phillips, William Jeter (Law II)		University			
B.S. 1946, University of Richmond	Va.	Reardon, Wilfred I. (Law II)	Wis.		
Pike, Jane Alvis (Law I)	Va.	Reavner, Carroll Dean (Law I)	Iowa		
A.B. 1944, University of Southern		B.S. in Com. 1949, State University			
California		of Iowa			
Pilliod, Henry J. (Law I)	Ohio	Rebold, Joseph (Law II)	N.Y.		
A.B. 1930, St. John's College, Ohio		B.S. 1942, College of the City of			
†Pitchoford, Harry Duval (Law I)	Okla.	New York			
A.B. 1940, University of Oklahoma		†Redman, M. Chandler (Law II)	Maine		
Pollack, Melvin (Law II)	N.Y.	A.B. 1934, Bowdoin College			
B.S. 1933, College of the City of		†Reed, Rufus (Law I)	D.C.		
New York		A.B. 1938, University of Pennsyl-			
Poole, John Courtney (Law I)	D.C.	vania			
Poor, John Wilbert (Law III)	D.C.	Reed, Vaughn DeWitt (Law II)	Ohio		
A.B. 1934, The George Washington		†Reinisch, Louis Theodore (Law LL.M.)	D.C.		
University		A.B. 1914, LL.B. 1918, University			
Poore, Allan Randolph (Law III)	D.C.	of Manitoba			
Pope, Ross P. (Law I)	D.C.	Remlein, Madeline Kinter (Law,	D.C.		
A.B. 1937, The George Washington	Idaho	Und.)	D.C.		
University		Reznek, Louis (Law I)			
Pope, Wendell Eugene (Law I)	Ga.	B.S. in M.E. 1947, The George			
B.S. 1939, Presbyterian College		Washington University			
Porter, Harold Freeman, Jr. (Law I)	N.Y.	Rhetts, Ruth Fisher (Law I)	Ill.		
A.B. 1948, Harvard University		A.B. 1934, Stanford University			
Powers, Irvine (Law II)	Mo.	*Rhodes, Francis Marion (Law III)	Mo.		
B.S. in C.E. 1934, Washington Uni-		A.B. 1932, Southeast Missouri State			
versity		Teachers College			
Prater, John Edward (Law II)	Okla.	†Rhodes, Jack Marion (Law II)	Idaho		
Price, Dix W. (Law II)	Ariz.	A.B. 1937, College of Idaho			
Price, Elber Raymond (Law I)	Va.	Rich, Edward Hunter (Law Spec.)	Idaho		
A.B. 1943, Ohio University		Rich, George Harrison (Law II)	Cann.		
†Price, Troy Howard (Law I)	D.C.	A.B. 1937, Colgate University			
A.B. 1939, Texas College of Arts		Richard, Glenn Umar (Law II)	Va.		
and Industries		A.B. 1936, Municipal University of			
A.M. 1946, University of Texas		Wisconsin			
Province, W. Nathan (Law III)	Mont.	R.S. 1934, Georgetown University			
A.B. 1947, University of Montana		Richards, Clarence Leathers (Law II)	D.C.		
Purdy, William Frederick, Jr. (Law I)	N.Y.	M.E. 1934, Cornell University			
M.E. 1927, Stevens Institute of		Rife, Oscar Jennings, Jr. (Law I)	W.Va.		
Technology		A.B. 1935, The George Washington			
		University			
Quirk, Betty Claire (Law I)	D.C.	Riley, Norman Adam (Law I)	Ind.		
A.B. 1936, University of Maryland		A.B. 1938, Butler University			
		Ramel, Irvin Harold (Law I)	Ill.		
		B.S. in Chem.E. 1934, University of			
		Illinois			
		Ritmour, William Shibt (Law I)	Miss.		
		A.B. 1927, Mississippi College			
		A.M. 1929, State University of Iowa			



Roberson, Sue Wall (Law I)	N.C.	†Schmidt, William Alvia (Law I)	
A.B. 1926, University of North Carolina		B.C.E. 1934, Marquette University	Mich.
Roberts, Ora Herbert, Jr. (Law III)	Ind.	Schneider, Frank Wilfred (Law III)	
A.B. 1917, Tennessee College		A.B. 1916, Western State Teachers College, Kalamazoo	S.Dak.
†Robinson, Charles Edward (Law I)	Ala.	Schoenfelder, Otto William (Law II)	
B.S. 1928, University of Alabama		A.B. 1911, The George Washington University	Ala. Pa.
Robinson, Lee Morgan (Law II)	D.C.	Schrimsher, Rice Emmett (Law II)	
B.S. 1926, Catholic University of America		Scott, Emanuel (Law I)	
Robinson, Murray (Law II)	D.C.	B.S. in M.E. 1914, Carnegie Institute of Technology	N.Y.
B.S. 1916, Worcester Polytechnic Institute		†Schwarz, Louis (Law I)	
Roca, Paul McLennan (Law II)	Ariz.	A.B. 1923, Brooklyn College	Pa.
A.B. 1911, University of Arizona		Schwartzbach, Eleanor (Law II)	
Rochelle, William Jennings, Jr. (Law III)	Tex.	A.B. 1932, Hunter College	N.Y.
A.B. 1918, The George Washington University		Soolnick, Meyer (Law, LL.M.)	
Rosenberg, George Carl (Law III)	Wis.	B.S. 1924, College of the City of New York	Va.
B.S. 1921, University of Wisconsin		LL.B. 1918, New York University	
Roseng, Clyde Leamon (Law III)	Ohio	Scott, Embury Giles (Law III)	
Rosier, Martin Thomas (Law I)	Mass.	A.B. 1937, Hampden-Sydney College	Ill.
A.B. 1923, A.M. 1922, Ph.D. 1917, Catholic University of America		Scott, Frank Bishop (Law I)	Calif.
†Rosenfeld, Maurice (Law III)	Oreg.	B.S. 1924, Idaho Millikin University	
B.S. 1927, University of Oregon		†Scott, Isora M. (Law I)	Ill.
Rosner, Harry (Law III)	D.C.	A.B. 1931, University of California	N.Y.
A.B. 1911, A.M. 1912, Cornell University		Scott, Letha Marcella (Law II)	
Rowe, Elwyn Romaine (Law III)	D.C.	Scott, Nathaniel Thompson (Law II)	D.C.
A.B. 1927, A.M. 1928, University of Wisconsin		A.B. 1937, Middlebury College	
Rozansky, Bernard (Law I)	D.C.	Scrivener, Samuel, Jr. (Law, Und.)	D.C.
Ruppha, George Jack (Law I)	Ill.	E.M. 1927, Lehigh University	
B.S. in M.E. 1928, Lewis Institute		Sears, L. Carpenter (Law I)	N.Mex.
Rutenshaw, Bernard (Law II)	N.Y.	A.B. 1926, Bryn Mawr College	
B.S. in M.E. 1912, New York University		Serr, George P. (Law I)	Ala.
Rubenstein, Nathan (Law I)	N.Y.	B.S. in E.E. 1936, University of New Mexico	
A.B. 1920, Duke University		Sevens, Eleanor (Law II)	D.C.
Rowland, Norman Hillier (Law I)	Md.	A.B. 1926, University of Alabama	
B.S. 1915, M.S. 1916, Massachusetts Institute of Technology		Stadler, Thomas Newton (Law I)	S.Dak.
Ruslow, Edward Alan (Law III)	D.C.	B.S. 1928, University of Maryland	
A.B. 1915, Columbia University		†Stinard, John M. (Law I)	N.Y.
Rush, Eugene Alvin (Law I)	Tex.	A.B. 1914, University of South Dakota	
A.B. 1913, University of Texas		Sheffer, Abner (Law I)	Utah
Rutherford, George Leslie, Jr. (Law I)	N.Y.	B.Chem.E. 1937, College of the City of New York	Utah
A.B. 1914, Hamilton College		Sheffield, Elbert J. (Law I)	Tenn.
Ryan, James Francis (Law II)	D.C.	A.B. 1934, University of Utah	
Ryloe, Willie Yeater (Law I)	Miss.	Sheffield, Lottie Jolley (Law I)	Ohio
B.S. 1929, American University		B.S. 1919, University of Utah	
		Shelton, Hugh Todd, Jr. (Law II)	
		A.B. 1927, University of the South	
		Shenfield, Hale Thurel (Law I)	
		A.B. 1924, A.M. 1926, University of Michigan	D.C.
		Sheppard, Mona (Law I)	Pa.
		A.B. 1927, University of Alabama	
		Sherman, Bertha Antnette (Law II)	
		B.S. 1922, Pennsylvania State Teachers College	Va. Wis.
		†Sher, George L., Jr. (Law I)	D.C.
		Sherwood, William Kneidle (Law III)	Utah
		A.B. 1916, University of Chicago	Pa.
		Shewmaker, Russell (Law I)	
		Shew, George Paul (Law I)	Ill.
		Sira, William Alvin, Jr. (Law I)	
		B.S. 1937, Westminster College	Neb.
		Shawalter, Francis Edward (Law I)	
		A.B. 1918, Knox College	
		†Shall, Lewis Frederick (Law, LL.M.)	
		A.B. 1935, Nebraska State Teachers College	

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†Wiener, Minnie (Law I) B.S. 1920, College of the City of New York	N.Y.	Woods, Edwin Marchal (Law III) B.S. in C.E. 1927, University of Alabama	Miss.
A.M. 1932, Hunter College A.B. 1938, The George Washington University		Woodside Hyron Darlington (Law II) B.S. 1929, University of Pennsylvania	Pa.
Wilber, Walter B. (Law I) M.E. 1927, Rensselaer Polytechnic Institute	N.Y.	A.M. 1927, The George Washington University	
Wildes, Cyril Martin (Law I) Williams, Lyle La Verne (Law III) B.S. 1933, University of Michigan	Wis. Mich.	Woodside, Lehman Frank (Law III) A.B. 1928, The George Washington University	Ill.
†Williams, Melville Chase (Law, LL.M.) A.B. 1931, University of South Da- kota	Md.	Woodside, Walter Wesley (Law I) Woodward, Walter Francis (Law III) A.B. 1928, The George Washington University	Ill. D.C.
LL.B. 1936, University of Wisconsin Williams, Wilfred Stanton (Law I) B.F.S. 1927, University of Southern California	Calif.	Wright, Thomas Willerahain (Law I) A.B. 1928, Princeton University	N.J.
Williamson, Robert Grant (Law III) Willis, Bennett, Jr. (Law II) Willis, Robert Eugene (Law II) B.S. 1925, Oklahoma Agricultural and Mechanical College	Mich. D.C. Okla.	Wyche, Richard Thomas (Law I) A.B. 1938, University of Oklahoma	Okla.
Winburn, Robert Jones (Law I) A.B. 1928, Duke University	Ga.	Y	
Winkler, Sheldon W. (Law I) B.S. 1926, University of California	Utah	Yanovsky, Esther (Law I) A.B. 1930, The George Washington University	N.Y.
Winston, Robert Mitchell (Law I) †Winter, Mahlon Alpheus (Law I) B.S. 1928, Massachusetts Institute of Technology	Ky. Pa.	†Young, Marian (Law I) A.B. 1927, University of California	Calif.
Wood, Walter Preston (Law I) B.S. 1926, University of Alabama M.S. 1927, University of Wash- ington	Wis. D.C. Va.	Young, R. Herndon, Jr. (Law I) A.B. 1938, College of Idaho	Idaho
Woodley, Frederick William (Law II) Woods, Edwin Kirby (Law III) B.S. 1930, University of California		Z	
		Zalkind, Albert Mitchell (Law II) B.S. in M.E. 1935, College of the City of New York	D.C.
		Zepul, Constantine (Law III) Zinn, Dean Surguy (Law I) Zitver, Leon (Law I) B.S. 1925, College of the City of New York	Ill. N.Mex. N.Y.

# SUMMARIES OF REGISTRATION

1939-40

## NUMBER OF REGISTRATIONS

Candidates for the degrees of Bachelor of Laws and Juris Doctor

	1st Sem.	2d Sem.	Year
First Year .....	372	387	421
Second Year .....	204	205	173
Third Year .....	172	164	
Total .....	748	756	868
Candidates for the degree of Master of Laws .....	22	22	1
Candidate for the degree of Doctor of Juridical Science .....		1	
Total candidates for degrees .....	770	779	869
Unclassified students .....	14	15	5
Special students .....	4	3	
Total .....	788	797	861

## GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama .....	11	New Jersey .....	11
Arizona .....	6	New Mexico .....	88
Arkansas .....	9	New York .....	13
California .....	14	North Carolina .....	1
Colorado .....	11	North Dakota .....	30
Connecticut .....	8	Ohio .....	21
Delaware .....	1	Oklahoma .....	4
District of Columbia .....	159	Oregon .....	27
Florida .....	9	Pennsylvania .....	13
Georgia .....	13	South Carolina .....	11
Idaho .....	14	South Dakota .....	21
Illinois .....	32	Tennessee .....	22
Indiana .....	15	Texas .....	27
Iowa .....	14	Utah .....	2
Kansas .....	11	Vermont .....	10
Kentucky .....	10	Virginia .....	10
Louisiana .....	3	Washington .....	12
Maine .....	3	West Virginia .....	5
Maryland .....	25	Wisconsin .....	1
Massachusetts .....	16	Wyoming .....	1
Michigan .....	14	Alaska .....	1
Minnesota .....	5	Hawaii .....	1
Mississippi .....	11	Panama .....	1
Missouri .....	20	Puerto Rico .....	1
Montana .....	10	Venezuela .....	
Nebraska .....	10		
Nevada .....	5		
New Hampshire .....	5		
		Total .....	861

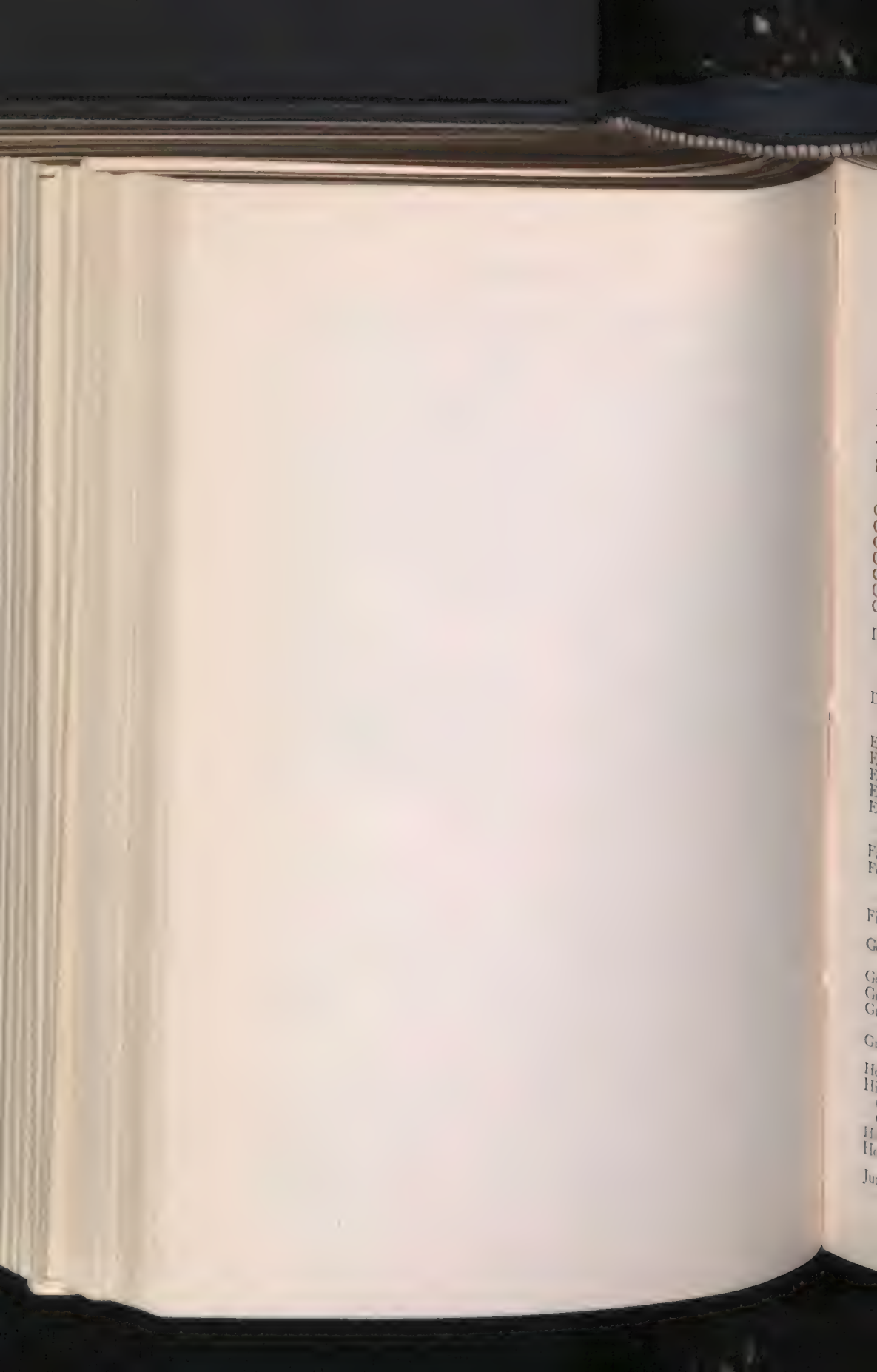
## GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL

Alabama Polytechnic Institute...	2	Dayton, University of.....	1
Alabama, University of.....	8	Denison University.....	1
Albion College.....	1	Denver, University of.....	1
American University.....	8	De Paul University.....	1
Amherst College.....	1	Doane College.....	1
Arizona, University of.....	3	Drake University.....	1
Atlantic Christian College.....	1	Drexel Institute of Technology...	1
Augustana College.....	1	Drury College.....	1
Baldwin-Wallace College.....	1	Dubuque, University of.....	2
Baylor University.....	4	Duke University.....	5
Berea College.....	1	East Central State Teachers Col-	1
Berlin, University of.....	1	lege, Okla.....	1
Boston College.....	1	East Tennessee State Teachers Col-	2
Boston University.....	2	lege.....	1
Bowdoin College.....	1	Eastern Illinois State Teachers	1
Bradley Polytechnic Institute.....	1	College.....	1
Breslau, University of.....	4	Evansville College.....	1
Brigham Young University.....	7	Fairmont State Teachers College,	1
Brooklyn College.....	9	W. Va.....	1
Brown University.....	3	Florida State College for Women..	1
Bryn Mawr College.....	2	Florida, University of.....	2
Butler University.....	1	Fordham University.....	1
California Institute of Technology	2	Franklin College.....	1
California, University of.....	18	Franklin and Marshall College...	1
Calvin College.....	1	Furman University.....	2
Carnegie Institute of Technology...	1	George Washington University, The	107
Carroll College.....	1	Georgetown University.....	5
Case School of Applied Science...	2	Georgia State College for Women	2
Catholic University of America...	4	Georgia, University of.....	3
Central Missouri State Teachers	1	Grinnell College.....	1
College.....	1	Grove City College.....	1
Central State Teachers College,	1	Hamilton College.....	1
Okla.....	1	Hampden-Sydney College.....	1
Centre College.....	1	Harvard University.....	6
Charleston, College of.....	2	Heidelberg College.....	1
Chattanooga, University of.....	2	Henderson State Teachers College,	2
Chicago, University of.....	6	Ark.....	2
City of New York, College of the	27	Holy Cross, College of the.....	1
Clarke College.....	1	Hunter College.....	5
Clemson Agricultural College.....	1	Idaho, College of.....	3
Colgate University.....	3	Idaho, University of.....	5
Colorado, University of.....	2	Illinois College.....	3
Columbia University.....	8	Illinois, University of.....	11
Connecticut State College.....	1	Illinois Wesleyan University.....	1
Cooper Union Institute of Tech-	2	Indiana Central College.....	1
nology.....	8	Indiana State Teachers College...	1
Cornell University.....	1	Indiana University.....	1
Craigton University.....	1	Iowa State College.....	1
Cumberland University.....	1	James Millikin University.....	1
Dartmouth College.....	1	Johns Hopkins University.....	2
Daniel Baker College.....	4	Kalamazoo College.....	1
Davidson College.....	2	Kansas State Teachers College...	1
		Kansas, University of.....	1



Kentucky, University of.....	1	Oklahoma, University of.....	6
Knox College.....	1	Oregon, University of.....	1
Lafayette College.....	1	Oxford University.....	1
Lebanon Valley College.....	1	Paris, University of.....	1
Lehigh University.....	5	Pembroke College.....	1
Lewis Institute.....	1	Pennsylvania State College.....	10
Lincoln Memorial University.....	2	Pennsylvania, University of.....	1
Louisiana College.....	2	Phillips University.....	1
Louisiana State University.....	3	Pittsburgh, University of.....	3
Louisville, University of.....	2	Polytechnic Institute of Brooklyn	1
Loyola University.....	1	Presbyterian College.....	7
Maine, University of.....	2	Princeton University.....	1
Manitoba, University of.....	1	Puerto Rico, University of.....	1
Marietta College.....	1	Purdue University.....	1
Marquette University.....	1	Radcliffe College.....	1
Marshall College.....	3	Randolph-Macon College.....	1
Maryland, University of.....	9	Redlands, University of.....	4
Massachusetts Institute of Tech-		Rensselaer Polytechnic Institute..	1
nology.....	13	Richmond, University of.....	1
Michigan State College.....	2	Roanoke College.....	1
Michigan, University of.....	20	Rochester, University of.....	1
Middlebury College.....	2	Rollins College.....	1
Mills College.....	1	Rutgers University.....	1
Minnesota, University of.....	6	St. Andrews, University of, Scot-	1
Mississippi College.....	1	land.....	1
Mississippi, University of.....	1	St. Elizabeth, College of.....	1
Missouri, University of.....	7	St. John's College.....	1
Montana, University of.....	2	St. John's University.....	1
Mount Union College.....	1	St. Mary's College.....	1
Muhlenberg College.....	1	Smith College.....	7
Murray State Teachers College,		South, University of the.....	1
Ky.....	1	South Carolina, University of.....	1
Nebraska State Teachers College,		South Dakota, University of.....	1
Chadron.....	1	Southeast Missouri State Teachers	1
Nebraska, University of.....	4	College.....	1
Nebraska Wesleyan University...	1	Southeastern State Teachers Col-	1
Nevada, University of.....	2	lege, Okla.....	1
Newark College of Engineering...	1	Southern California, University of	1
New Hampshire, University of...	2	Southwestern College.....	1
New Mexico State Teachers Col-		Southwest Missouri State Teachers	1
lege.....	1	College.....	1
New Mexico, University of.....	5	Stanford University.....	1
New Rochelle, College of.....	1	State Normal School, Plymouth	1
New York State College for Teach-		N. H.....	1
ers.....	2	State Teachers College, Dickinson,	1
New York University.....	8	N. Dak.....	1
North Carolina, University of.....	6	State Teachers College, Milwaukee,	1
North Dakota, University of.....	3	Wis.....	1
Northeastern University.....	2	State Teachers College, Westches-	1
Northwestern University.....	4	ter, Pa.....	1
Oberlin College.....	1	State University of Iowa.....	1
Ohio State University.....	2	Stevens Institute of Technology.....	1
Ohio University.....	4	Susquehanna University.....	1
Oklahoma Agricultural and Me-		Swarthmore College.....	1
chanical College.....	1	Sweet Briar College.....	1

Tennessee Polytechnic Institute...	1	Wellesley College.....	1
Texas Agricultural and Mechanical College.....	1	Western Reserve University.....	3
Texas Christian University.....	1	Western State Teachers College, Kalamazoo .....	2
Texas College of Arts and Industries.....	2	Westminster College.....	1
Texas College of Mines and Metallurgy.....	1	West Virginia University.....	8
Texas Technological College.....	1	Whitman College.....	1
Texas, University of.....	6	Wichita, Municipal University of..	3
Trinity College.....	2	William Jewell College.....	1
Tufts College.....	1	William and Mary, College of....	1
Tulane University.....	1	Williams College.....	1
Tulsa, University of.....	3	Wisconsin, University of.....	6
Union College, N. Y.....	1	Wittenberg College.....	1
Union University.....	1	Wooster, College of.....	1
United States Naval Academy....	15	Worcester Polytechnic Institute...	3
Utah State Agricultural College...	7	Wyoming, University of.....	2
Utah, University of.....	13	Xavier University.....	1
Vanderbilt University.....	1	Yale University.....	4
Vermont, University of.....	1	Yankton College.....	4
Virginia Military Institute.....	2		
Virginia Polytechnic Institute....	2	Total .....	767
Virginia, University of.....	6	Counted twice.....	57
Wake Forest College.....	1	Number of college graduates.....	710
Washington University.....	2	Number of colleges represented .....	238
Washington, University of.....	7	Candidates for degrees who are college graduates....	691
Washington and Lee University..	6	Per cent.....	82.5
Waynesburg College.....	1		





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THE  
GEORGE  
WASHINGTON  
UNIVERSITY  
BULLETIN

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VOL. XXXIX

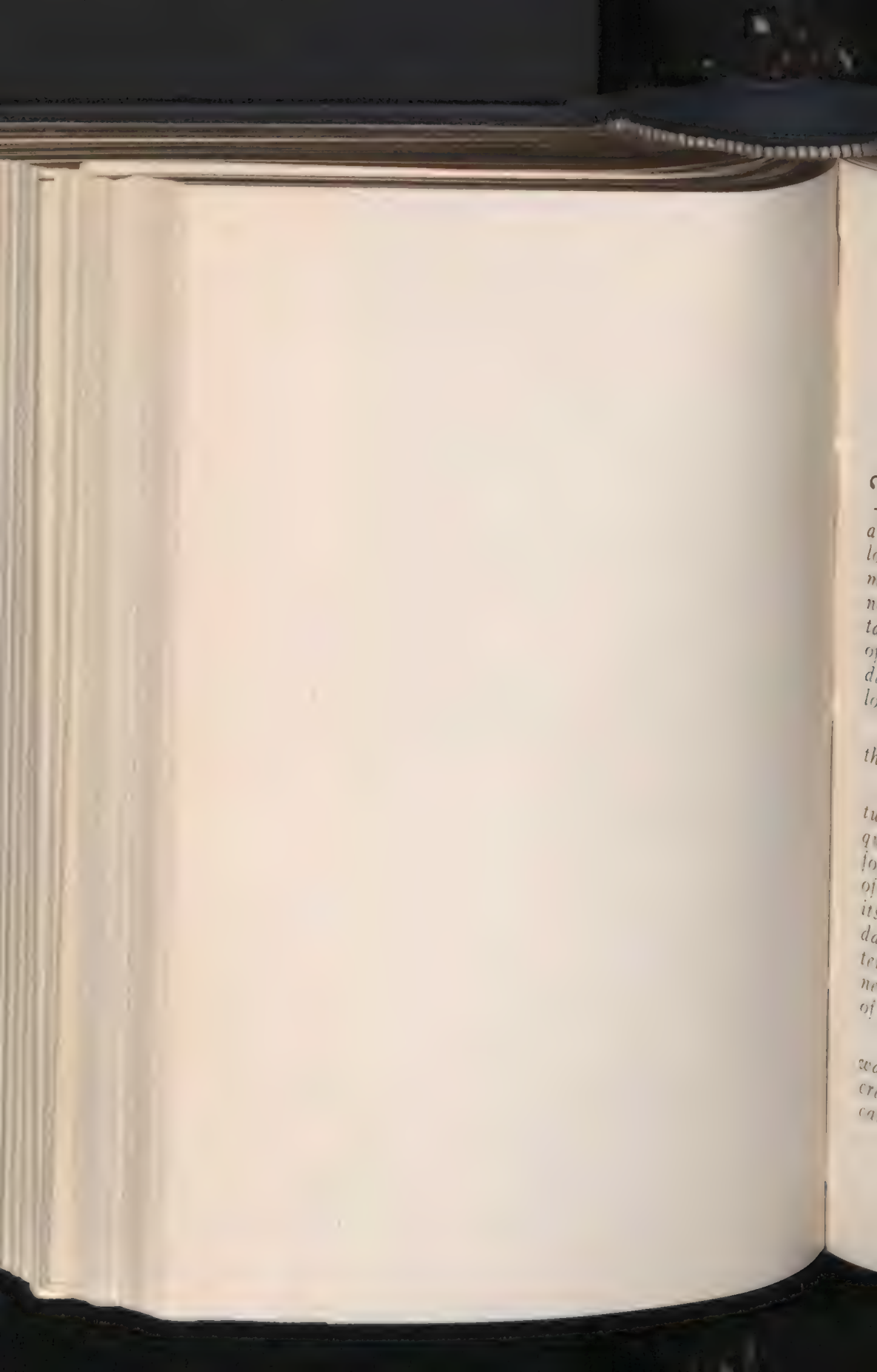
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SCHOOL OF PHARMACY

WASHINGTON, D.C.  
PUBLISHED IN JULY  
MCMXL  
BY THE UNIVERSITY





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## THE PHARMACIST'S OATH

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### The Oath of Maimonides

**T**HY Eternal Providence has appointed me to watch over the life and health of Thy creatures. May the love for my art actuate me at all times; may neither avarice, nor miserliness, nor thirst for glory, or for a great reputation engage my mind; for the enemies of Truth and Philanthropy could easily deceive me and make me forgetful of my lofty aim of doing good to Thy children.

May I never see in the patient anything but a fellow creature in pain.

Grant me strength, time, and opportunity always to correct what I have acquired, always to extend its domain; for knowledge is immense and the spirit of man can extend infinitely to enrich itself daily with new requirements. To-day he can discover his errors of yesterday and tomorrow he may obtain a new light on what he thinks himself sure of today.

O God, Thou hast appointed me to watch over the life and death of Thy creatures; here am I ready for my vocation.

And now I turn unto my calling.





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The Board of Trustees of the University is composed of the President of the University *ex officio* and the following persons by election:

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*The George Washington University*

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\*The President of the University and the Dean of the School of Pharmacy are members ex-officio of all committees.  
†Elected by the Faculty.

## The University

THE George Washington University was chartered by Act of Congress in 1821. In the days of its founding it received the support and patronage of President James Monroe, John Quincy Adams, and other national leaders who wished to further the aspirations of Washington, Jefferson and Madison for erecting a university at the seat of the Federal Government.

The University today occupies a site within a block or two of that which George Washington selected for the institution which he hoped to see established in the Capital.



UNIVERSITY LIBRARY  
HOUSES THE PHARMACY  
COLLECTION

The University is privately endowed, non-sectarian, and coeducational. It is on the approved list of the Association of American Universities, the standard accrediting body for the United States.



## The School of Pharmacy

THE School of Pharmacy is a member of the American Association of Colleges of Pharmacy and is accredited by The American Council on Pharmaceutical Education, the national accrediting body for schools of pharmacy. The curriculum is approved by the New York State Board of Regents, and graduates of this School are admitted to the Board of Pharmacy examinations in the various states.

The School of Pharmacy offers an approved curriculum leading to the degree of Bachelor of Science in Pharmacy.

Students majoring in Pharmacy in The George Washington University are enrolled in the Junior College for the first two years of the four-year course leading to the degree. These first two years are devoted to the study of the fundamental sciences, cultural subjects, and the basic Pharmacy courses. Registration in the Junior College for the freshman and sophomore years enables the student, should he decide to change his major or to undertake professional

training in a different field, to obtain credit in another college, school, or division of the University for courses taken during these years.



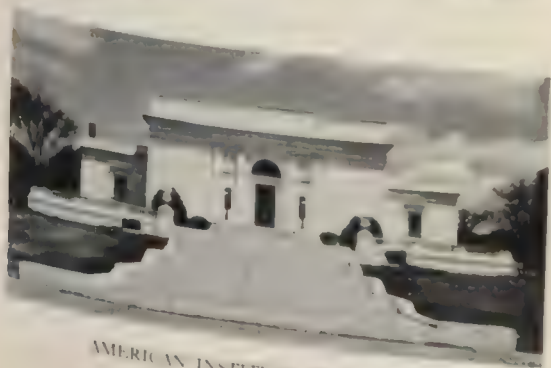
NATIONAL ACADEMY OF SCIENCES

Upon satisfactory completion of the Junior College work, a certificate of junior standing is awarded. The last two years of work, which consist mainly of professional courses and electives for specialization, are taken in the School of Pharmacy. Upon the satisfactory completion of the work of these two years, the degree of Bachelor of Science in Pharmacy is conferred.

The curricula in the Junior College and the School of Pharmacy are outlined on pages 20-22.

## Location

THE George Washington University is situated in the heart of the city of Washington. The American Institute of Pharmacy, which is opposite the Lincoln Memorial and only a few blocks from the University, is the center of the professional and scientific activities of pharmacy. Here the headquarters of the National Formulary Revision Committee are housed. The Food and Drug Administration, the United States Public Health Service, the Hygienic Laboratory, the Army Medical Museum, the National Academy of Sciences, the Army Medical Library, and the United States Bureau of Standards can be reached conveniently from the School of Pharmacy.



AMERICAN INSTITUTE OF PHARMACY



## Advantages of Location

WASHINGTON, the political capital of the Nation, is now becoming the economic and scientific center of the country. Its library facilities are unequaled. Not only are there such collections as those of the Library of Congress, but in various bureaus and commissions are specialized libraries accessible to the student. For the research student, there is source material in the archives of the various departments not to be found elsewhere. Students in the School of Pharmacy have the further advantage of participation in a cosmopolitan academic life, since the University, with an enrollment of over seven thousand students, reflects the internationalism of Washington.



LIBRARY OF CONGRESS

## Professional Services

THE United States Department of Commerce estimates that approximately 165,000,000 prescriptions are filled annually by the pharmacists of the United States. Other reliable sources estimate the total to be about 250,000,000. This represents the primary service of pharmacy in the protection of the public health. The drug stores of the nation are a vital and indispensable link in the general program of health protection and education. The pharmacist is the adviser to millions of people on a multitude of health problems. Through the drug store information is disseminated to the public on disease-prevention measures, the use of insecticides, and general domestic sanitation. The drug store is the service center for hospital and sick-room supplies, and the pharmacist must be prepared to supply instructions for their proper use. Medicines other than prescriptions are supplied through the drug trade, and here too the pharmacist must instruct and protect the public. These and many other professional services constitute the major functions of the average pharmacy.

## The Drug Industry

ANNUALLY, the people of the United States spend approximately \$715,000,000 for drugs and medicines alone, and an equal or greater amount for sick room supplies and other drug store items. This total is considerably more than the annual outlay for services of physicians or for hospitalization. According to the report of the Committee on the Costs of Medical Care, the average family spends between

twenty and twenty-five dollars a year for medicines. The drug stores of this country report annual receipts amounting to approximately \$1,650,000,000. Such is the immensity of the industry associated with the profession of pharmacy.



CORCORAN HALL HOUSES THE  
SCHOOL OF PHARMACY



## Qualifications

THROUGH federal and state laws, the disposition of drugs, medicines, and poisons is restricted to licensed pharmacists. In every state and in the District of Columbia exacting requirements govern the practice of pharmacy. In most instances, graduation from an accredited college of pharmacy is a prerequisite. The minimum standard degree is that of Bachelor of Science in Pharmacy, conferred upon completion of a four-year course. In addition, at least one year, and in some states four years, of experience, obtained in a drug store where prescriptions are compounded, is required. A further safeguard of the quality of pharmaceutical service is the state board of pharmacy. The applicant for a license to practice pharmacy, after submitting to this body evidence of his good moral character, the required college degree and professional experience, must pass a comprehensive examination. These exacting requirements have been imposed by the profession of pharmacy itself to raise the standard of the profession and to insure the highest type of service to the public.

## Opportunities

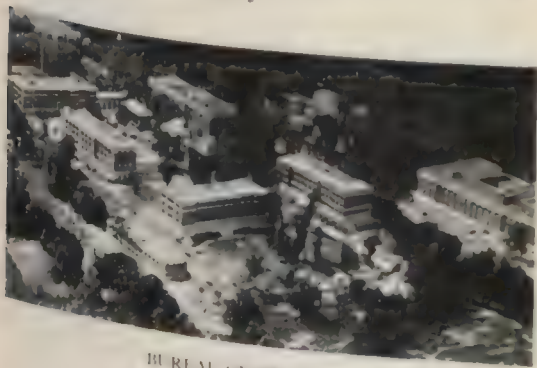
WHILE most registered pharmacists are absorbed by the retail drug trade, the type of training now available in colleges of pharmacy fits graduates for a variety of other positions. Manufacturing and industrial laboratories need professional representatives as well as scientifically trained pharmacists for control and research work. City, state, and federal hospitals, food and drug departments and health departments require the services of expert pharmacists. The Federal Government employs many pharmacists in the Food and Drug Administration, the Veterans' Administration, the Narcotic Bureau, the Public Health Service, and the Army and Navy. A few pharmacists are engaged in teaching and in research.



BUREAU OF THE PUBLIC HEALTH SERVICE

## Employment

THE School of Pharmacy assumes no responsibility for placing students in part-time positions or for securing positions for its graduates. However, for the past fifteen years every graduate has been placed or has found employment in his field, and all of these graduates are employed at the present time. The situation as to part-time work for the student while attending the School is equally favorable. Every student now enrolled who desires such work and whose scholarship is satisfactory has been placed, and there are a number of positions vacant. These fortunate conditions prevail largely through the splendid cooperation of the pharmacists of Washington with the School of Pharmacy.



BUREAU OF STANDARDS



## The Junior College Curriculum in Pharmacy

THE following Junior College curriculum covers the work required for entrance to the School of Pharmacy:

### FRESHMAN YEAR

English 1, 2, Freshman English .....	6
French, German, or Spanish* .....	3
Botany 1, General Botany .....	3
Chemistry 11-12, General Chemistry .....	4
Pharmacy 1-2, Principles of Pharmacy .....	2
Physical Education .....	3
Physics 11x, General Physics .....	3
<b>Total</b> .....	<b>24</b>

Total

### SOPHOMORE YEAR

Chemistry 151-52, Organic Chemistry .....	4
Zoology 1-2, Introduction to Zoology .....	2
Pharmacy 21-22, Operative Pharmacy .....	2
Pharmacy 23-24, Pharmacognosy .....	2
Physical Education .....	3
<b>Total</b> .....	<b>13</b>

Total

\* The equivalent of one college year in a foreign language is required.

A student offering the following two courses in place of a foreign language is not required to take any foreign language. He must, however, complete the course in the first year college course in foreign language.

## The Curriculum in the School of Pharmacy

THE courses of study in the School of Pharmacy are so designed and arranged as to give the student an excellent training in the science and art of pharmacy. By the proper choice of electives, it is possible for the student to specialize in either the professional or the commercial phases of pharmacy. Advanced undergraduate courses are also offered, as electives, for those who wish to major in Professional Pharmacy, Pharmacognosy, Pharmacology, Pharmaceutical Chemistry, or Food and Drug Analysis. Through other departments of the University, students may elect courses for specialization in Biology, Chemistry, Bacteriology, or other sciences. This flexibility of the curriculum allows for preparation for many other fields of endeavor besides retail pharmacy. Graduates of the School of Pharmacy with the degree of Bachelor of Science in Pharmacy who have the required prerequisites, may be candidates for the degree of Master of Science.

The following curriculum in the School of Pharmacy leads to the degree of Bachelor of Science in Pharmacy:

## JUNIOR YEAR

Bacteriology 112	4
Chemistry 21, Inorganic Qualitative Analysis	4
Pharmacy 102, Dispensing Pharmacy	4
Pharmacy 105-06, Pharmacology I	1
Pharmacy 108, History of Pharmacy	
Pharmacy 109, Organic Pharmaceutical Chemistry	4
Pharmacy 110, Inorganic Pharmaceutical Chemistry	2
Physics 13, General Physics*	3
Physiology 115	1
Physiology 117	3
Elective†	
Total	33

## SENIOR YEAR

Biochemistry 221-22†	4
Chemistry 121, Quantitative Inorganic Analysis	4
Pharmacy 103, Dispensing Pharmacy	6
Pharmacy 165-66, Pharmacology II	
Pharmacy 174, Quantitative Pharmaceutical Analysis	4
Pharmacy 176, Pharmaceutical Law	2
Pharmacy 178, Pharmaceutical Economics	2
Pharmacy 187-88, Seminar	
Pharmacy 192, Prescription Practice	2
Elective†	
Total	33

\* Physics 12 may be substituted.

† Pharmacy 151, 172, 184 or 186 recommended.

‡ With permission of the Dean, Biochemistry 221-22 may be replaced by other courses for the purpose of specifying electives.



## In Appreciation

THE President of the University, the Board of Trustees, and the Faculty of the School of Pharmacy are happy to take this opportunity to express their gratitude for the generous assistance and financial support given by the alumni of the School and other interested friends which has made possible the acquisition of modern equipment for the Pharmacy laboratories. The list of contributors, too long to print here, is representative of the pharmacists of Washington, and of the drug industry, and to each we voice our sincere appreciation for the cooperation so freely given toward the further development of the School of Pharmacy of The George Washington University.



THE GEORGE WASHINGTON UNIVERSITY  
WASHINGTON, D.C.

Report of the Comptroller

FOR THE YEAR ENDED

AUGUST 31, 1940





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## LETTER OF TRANSMITTAL

October 25, 1940

TO THE PRESIDENT AND THE BOARD OF TRUSTEES  
THE GEORGE WASHINGTON UNIVERSITY  
WASHINGTON, D. C.

GENTLEMEN:

I am submitting herewith the Report of the Comptroller of The George Washington University for the fiscal year ended August 31, 1940. This report is a review of the budget operations for the year and is based on the budget approved by the Board of Trustees of the University.

The accounts of the University are kept and its financial reports set up as far as practicable in conformance with the recommendations of the National Committee on Standard Reports for Institutions of Higher Education. Under that plan the funds of the University are classified in various fund groups, and the accounts and financial statements are set up to segregate clearly the assets and liabilities of each of these groups as indicated in the balance sheet, Exhibit A.

R. G. Rankin & Co., certified public accountants, have examined the accounts of the University for the past year, and their report is appended herewith.

A condensed summary of the principal facts in the report is presented below and on succeeding pages, followed by detailed financial records.

Respectfully submitted,

HENRY W. HERZOG  
Comptroller

## CONDENSED SUMMARY

### CURRENT FUNDS—UNRESTRICTED

*These funds represent free and unrestricted assets which are available for immediate use in the current operation of the University, their disposition being wholly at the discretion of the Board of Trustees. In this section of the balance sheet are included only those funds which result from the income and expenditures in the operating budget.*

#### OPERATING INCOME

Operating income for the year (Schedule 3) was as follows: educational and general purposes, \$1,424,187.17; auxiliary enterprises, \$71,400.53; non educational purposes, \$957.00; total, \$1,496,544.70.

Scholarships were awarded to students from the following sources: current funds unrestricted (Schedule 4), \$14,711.35; gifts of various donors (Schedule 5), \$796.74; and endowment income (Schedule 30), \$3,302.20; total, \$18,810.35.

The United States Government through the National Youth Administration made available the sum of \$36,355.60 for the employment of 350 students in various projects at the University. Since the funds were not handled by the University, the amount is not included in the income and expense schedules.

#### OPERATING EXPENSE

Operating expense for the year (Schedule 4) was as follows: educational and general purposes, \$1,374,102.33; auxiliary enterprises, \$59,788.75; non educational purposes, \$42,818.42; total, \$1,476,709.50.

#### SURPLUS

The operating net income for the year (Schedule 4) was \$19,835.20. At the end of the fiscal year 1939-40, the Current Funds Unrestricted Surplus amounted to \$17,678.85 (Schedule 1). A complete analysis of changes affecting this Surplus account will be found on Schedule 1.

### CURRENT FUNDS—RESTRICTED

Gifts, grants, and income from endowments comprise these funds which consist of currently expendable assets, limited as to disposition.

During the year restricted gifts for immediate use amounted to \$3,120.00 (Schedule 5); other restricted gifts for use as needed or specified amounted to \$1,650.00 (Schedules 5-6); grants totalling \$5,741.07 were received (Schedules 5-6); restricted endowments earned \$67,124.40 (Schedule 30—page 2).



## LOAN FUNDS

For the assistance of students seeking financial aid, loan funds have been established by the University and by other organizations. Loans are made at a low rate of interest and when repaid the interest is added to the principal.

During the year, loans totalling \$12,957.34 were made to 504 students (Schedule 25). Gifts amounting to \$125.00 were made to the Loan Funds (Schedules 5-25).

## ENDOWMENT FUNDS

The principal of all endowment funds amounts to \$2,355,137.34 (Exhibit A). These funds are represented by assets which, under the terms of wills, deeds of gift, or under the by-laws of the University, must be held in perpetual trust for income-producing purposes. The principal amount and purpose of every endowment fund of the University is recorded on Schedule 23 and a summary appears on page 6 of Schedule 23.

Gains and losses on sales of securities of the Consolidated Endowment Funds and the Scottish Rite Endowment Fund are recorded in the respective "Reserve" accounts which have a credit balance of \$62,014.30 (Schedule 23—page 1).

"Consolidated Endowment Funds" consist of sixty-one endowments with a total value of \$817,316.84 (Schedule 26—page 2). The assets of these funds are combined to eliminate the possibility of partial or total loss of any fund through the failure of a specific investment, and to avoid temporary suspension of income; it also prevents carrying uninvested small cash balances in amounts not adapted to investment, and gives all funds equality of treatment. Unless otherwise restricted by the donors, the assets of all new endowments are added to the assets of the Consolidated Endowment Funds. Their earnings are recorded in one income account and distributed at the end of the year to the participating funds in the proportion each fund bears to the total of the entire group. This income, after deductions for amortization of premiums on investments and 10% of the net earnings as a reserve against losses, was distributed to the participating funds at the end of the past year at the rate of 3.6389%.

The Scottish Rite Fund, largest University endowment fund, earned 3.6175% net income on its investments during the year just ended.

#### PLANT FUNDS—UNEXPENDED

Cash and other assets (Schedules 24-29) not yet expended for development of the physical plant comprise this type of fund.

There was expended from these funds during the past year \$123,357.48 for land and buildings and \$16,418.37 for equipment, making a total expenditure of \$139,775.85 (Schedules 2-25).

Unexpended Plant Funds, including \$3,844.41 Reserve for Protection of Investments, total \$423,221.59 (Exhibit A, and Schedule 24) which is largely invested in temporary investments (Schedule 29).

#### PLANT FUNDS—INVESTED IN PLANT

The investment in the physical plant of the University includes land, buildings, equipment, and library books; their total value August 31, 1940, was \$4,430,610.76 (Exhibit A).

Additions to land and buildings during the year totaled \$222,577.76 (Schedules 2-20). Equipment was increased by \$38,139.03 and \$9,402.96 was added to library books (Schedules 2-21). Trust notes payable were reduced by \$49,679.64 (Schedule 2).

Until August 31, 1938, the value of the site of the present Lisner Hall was reported at \$103,862.05, which included the land, and an old building which was razed to make room for the new library. No valuation adjustment was made for the razed building, in accordance with previous policy of keeping book value of properties the same even after old houses are torn down. Thus, \$268,368.14 expended for Lisner Hall, added to the former book value of the site, makes the current book value of the property \$372,230.19 (Schedule 20).





## AUDIT CERTIFICATE

October 25, 1940

TO THE PRESIDENT AND THE BOARD OF TRUSTEES  
THE GEORGE WASHINGTON UNIVERSITY  
WASHINGTON, D. C.

GENTLEMEN:

We have made an examination of the Balance Sheet of THE GEORGE WASHINGTON UNIVERSITY as at August 31, 1940, and the Statements of Current Operating Income and Expense for the year ended on that date. We have also examined and tested accounting records and reviewed the Report of the Comptroller of the University, generally prepared in accordance with the recommendations of the National Committee on Standard Reports for Institutions of Higher Education, but we have not made a detailed audit of all transactions.

Cash was verified by count or confirmed by certificates from the depositories. Investments in Bonds, Stocks and Trust Notes were inspected or confirmed by the holders thereof. Assets controlled by other trustees are stated as reported by such trustees. Additions to and deductions from Real Estate Investments, Land and Buildings, Equipment and Library Books were reviewed and found to be proper charges and credits thereto. In accordance with the policy followed by many privately endowed educational institutions, and pursuant with previous practice, no provision was made during the year for depreciation on Buildings, Equipment, and Library Books. Notes and Trust Notes Payable were confirmed by the holders thereof.

Our test of income from Fund Assets indicates a proper accounting has been made thereof.

In our opinion, the Balance Sheet and Statements of Current Operating Income and Expense included in the report of the Comptroller of the University fairly present the financial condition of The George Washington University as at August 31, 1940, and the results of operations for the year ended on that date.

Respectfully submitted,

R. G. RANKIN & Co.  
Certified Public Accountants

# THE GEORGE WASHINGTON UNIVERSITY

## BALANCE SHEET

August 31, 1940

### Assets

CASH.....	49,636.77
TRUST NOTES RECEIVABLE (Schedule 18).....	44,000.00
ACCOUNTS RECEIVABLE (Schedule 18).....	3,442.22
INVENTORIES (at cost) (Schedule 17).....	2,953.00
PREPAID EXPENSE (Schedule 18).....	31,786.00
	<u>131,817.99</u>

### Liabilities

#### CURRENT FUNDS

##### UNRESTRICTED

NOTES PAYABLE (Schedule 18).....	100,000.00
DEFERRED INCOME AND DEPOSITS (Schedule 18).....	14,139.14

SURPLUS (Schedule 1).....	17,678.85
	<u>131,817.99</u>

##### RESTRICTED

CASH.....	26,439.26
TEMPORARY INVESTMENT \$39,000 par value U.S.A. Treasury Bonds, 3 1/2%, 1943-45.....	39,830.00
	<u>66,269.26</u>

##### UNEXPENDED

University Funds (Schedule 6)....	14,412.61
Agency Funds (Schedule 6).....	421.21
Endowment Income (Schedule 30).....	51,435.44
	<u>66,269.26</u>

#### LOAN FUNDS

CASH.....	8,796.36
LOANS RECEIVABLE.....	553.50
	<u>9,349.86</u>

9,349.86 PERMANENT FUND (Schedule 22)

#### ENDOWMENT FUNDS

9,349.86

# ENDOWMENT FUNDS

CASH (Schedule 28) .....	41,251.38	
INVESTMENTS* (Schedule 28) .....	2,188,024.80	41,500.00
	<u>2,229,276.18</u>	
CONTROLLED BY OTHER TRUSTEES (Schedule 28) .....	229,375.46	62,014.30
	<u>229,375.46</u>	
	2,458,651.64	2,355,137.34
		<u>2,458,651.64</u>

# PLANT FUNDS

## UNEXPENDED

CASH (Schedule 29) .....	9,717.94	
TEMPORARY INVESTMENTS (Schedule 29) .....	413,503.65	3,844.41
	<u>423,221.59</u>	<u>419,377.18</u>
		423,221.59

## INVESTED IN PLANT

LAND AND BUILDINGS* (Schedule 20) .....	4,030,533.06	
EQUIPMENT (Schedule 21) .....	288,899.88	926,100.59
LIBRARY BOOKS (Schedule 21) .....	111,177.82	3,504,510.17
	<u>4,430,610.76</u>	<u>4,430,610.76</u>
TOTAL .....	<u>7,519,920.60</u>	<u>7,519,920.60</u>

\* A Trust Note of \$323,430.23 is included both in Endowment Funds—Trust Notes Receivable, and in Plant Funds Invested—Trust Notes Payable. The Trust Note is secured by Land and Buildings known as The George Washington University School of Medicine and Hospital with a book value of \$974,530.00 included in Plant Funds—Land and Buildings. The Plant Fund for Retirement of Indebtedness of \$16,500.42 is designated for the retirement of the Trust Note of \$323,430.23.

EXHIBIT A



# BALANCE SHEET IN SUMMARY FORM

August 31, 1940

Assets	Total	Current Funds		Loan Funds	Endowment Funds	Plant Funds	
		Unrestricted	Restricted			Unexpended	Invested In Plant
Cash.....	135,841.71	49,636.77	26,439.26	8,796.36	41,251.38	9,717.94	
Loans Receivable.....	553.00			553.00			
Accounts Receivable.....	3,442.22	3,442.22					
Inventories.....	2,953.00	2,953.00					
Prepaid Expense.....	31,786.00	31,786.00					
Bonds.....	1,438,308.90		39,830.00		1,172,374.50	226,104.40	
Stocks.....							
Preferred.....	172,364.20						
Common.....	485,398.17				152,651.70	19,712.50	
Trust Notes Receivable.....	400,894.48				317,711.42	167,686.75	
Real Estate.....	188,392.70	44,000.00			356,894.48		
Controlled by Other Trustees.....	229,375.46				188,392.70		
Educational Plant.....					229,375.46		
Land and Buildings.....	4,030,533.06						4,030,533.06
Equipment.....	288,899.88						288,899.88
Library Books.....	111,177.82						111,177.82
	7,519,920.60	131,817.99	66,269.26	9,349.36	2,458,651.64	423,221.59	4,430,610.76

Liabilities and Net Worth	Total	Current Funds		Loan Funds	Endowment Funds	Plant Funds	
		Unrestricted	Restricted			Unexpended	Invested in Plant
Notes Payable.....	100,000.00	100,000.00					
Deferred Income and Deposits.....	14,139.14	14,139.14					
Unexpended Restr. Funds.....							
University Funds.....	14,412.61		14,412.61				
Agency Funds.....	421.21		421.21				
Unexpended Endow. Income.....	51,435.44		51,435.44				
Principal of Funds.....	2,783,863.88			9,349.36	2,355,137.34	419,377.18	
Reserves for Protect. of Inv.....	65,858.71				62,014.30	3,844.41	
Trust Notes Payable.....	967,600.59				41,500.00		926,100.59
Surplus—Current Funds.....	17,678.85						
Net Investment in Plant.....	3,504,510.17						3,504,510.17
	7,519,920.60	131,817.99	66,269.26	9,349.36	2,458,651.64	423,221.59	4,430,610.76

SUMMARY FORM OF EXHIBIT A

# SURPLUS—CURRENT FUNDS UNRESTRICTED

For the Year Ended August 31, 1940

BALANCE AUGUST 31, 1939.....	152,077.54
ADDITIONS	
Excess of Current Operating Income over Current Operating Expense (Schedule 4).....	19,835.20
Liquidating Dividend from Federal American National Bank and Trust Co.....	14.56
Transfer from Administrative Reserve Fund (Schedule 6).....	960.00
To reimburse Current Funds Unrestricted for Land and Buildings Acquired Prior to September 1, 1939, Previously Transferred to Plant Funds Invested	
Plant Funds (Schedule 25)	
Lisner Auditorium Fund—Auditorium Site.....	3,260.00
Pairo Fund —Athletic Site.....	500.00
	<u>3,760.00</u>
	24,569.76
	<u>176,647.30</u>
DEDUCTIONS	
Transferred to Plant Funds Invested—Schedule 2	
Land and Buildings.....	99,220.28
Equipment.....	10,068.53
	<u>109,288.81</u>
Net Reduction of Trust Notes Payable 1939-1940	
Trust Notes Payable, August 31, 1939.....	975,780.23
Trust Notes Payable, August 31, 1940 (Schedule 19).....	926,100.59
	<u>49,679.64</u>
BALANCE AUGUST 31, 1940—Exhibit A.....	158,968.45
	<u>17,678.85</u>



**NET INVESTMENT IN PLANT**  
**For the Year Ended August 31 1940**

BALANCE AUGUST 31, 1939.....				3,184,710.78
ADDITIONS FROM				
Current Funds Unrestricted (Schedule 1).....	99,220.28	10,068.53		
Plant Funds Unexpended (Schedule 25).....	123,357.48	16,418.37		
Departments				
Administration and General (Schedule 8).....		206.33		
Instruction (Schedule 9).....		6,915.12		
Physical Education (Schedule 11).....		96.84		
Libraries (Schedule 11).....		199.02	9,402.96	
Maintenance (Schedule 12).....		3,976.85		
Services (Schedule 17).....		257.97		
	<u>222,577.76</u>	<u>38,139.03</u>	<u>9,402.96</u>	<u>270,119.75</u>
Net Reduction of Trust Notes Payable (Schedule 1).....				<u>49,679.64</u>
BALANCE AUGUST 31, 1940—Exhibit A.....				3,504,510.17

# STATEMENT OF CURRENT OPERATING INCOME For the Year Ended August 31, 1940

## (1) EDUCATIONAL AND GENERAL

### 1. Student Fees (Schedule 7)

Tuition and Laboratory.....	963,167.11	
Miscellaneous.....	<u>133,698.41</u>	1,096,865.52

### 2. Endowment Investments Income (Schedule 30)

Unrestricted.....	8,000.73	
Restricted.....	<u>61,447.48</u>	69,448.21

### 3. Government Appropriations

District of Columbia Government.....		7,500.00
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### 4. Gifts

Unrestricted (Schedule 5).....	350.00	
Restricted (Schedule 5).....	<u>3,120.00</u>	
Organized Research (portion used) (Schedule 6).....	4,860.11	
Worth Fund, for Publication of Directory (Schedule 6).....	<u>154.15</u>	8,484.26

### 5. Other Sources

Commission for Collection of Doctors' Fees—Hospital.....	1,452.48	
Discounts Earned.....	<u>1,818.67</u>	
Homecoming Celebration.....	857.90	
Interest Earned.....	2,307.00	
Library Fines.....	348.78	
Miscellaneous.....	<u>319.06</u>	
Photostats.....	48.00	
Rent on Institutional Property—Net (Schedule 14).....	2,263.32	
Student Activities (Schedule 13).....	<u>16,274.68</u>	25,689.89
		<u>1,207,987.88</u>

## ACTIVITIES RELATING TO INSTRUCTIONAL DEPARTMENTS (Schedule 15)

1. Post-Graduate Course in Ophthalmology.....	12,211.00	
2. Hospital.....	<u>203,988.29</u>	216,199.29
		<u>1,424,187.17</u>

## (2) AUXILIARY ENTERPRISES

### 1. Residence Halls (Schedule 16)

2. Services (Schedule 17).....	27,468.37	
	<u>43,932.16</u>	71,400.53

## (3) NON EDUCATIONAL

### 1. Prizes—Endowment Income (Schedule 30)

Prizes—Gifts (Schedule 5).....	642.00	
Prizes—Gifts (Schedule 6).....	<u>2.71.00</u>	
	25.00	
		<u>957.00</u>

1,496,544.70

Schedule 3

## STATEMENT OF CURRENT OPERATING EXPENSE

For the Year Ended August 31, 1940

(1) EDUCATIONAL AND GENERAL		
1. Administration and General Expense (Schedule 8).....	173,861.23	
2. Instruction (Schedule 9).....	680,458.15	
Physical Education (Schedule 11).....	29,435.18	
3. Organized Research (Schedule 6).....	709,893.33	
4. Libraries (Schedule 11).....	4,860.11	
5. Operation and Maintenance of Plant (Schedule 12).....	35,204.50	
6. Other Expense.....	144,556.65	
Classical School at Athens.....		
Homecoming Expense.....	40.00	
Photostats.....	857.90	
Publication of Directory (Schedule 6).....	30.00	
Student Activities (Schedule 13).....	154.15	
	<u>102,743.35</u>	
	103,825.40	
ACTIVITIES RELATING TO INSTRUCTIONAL DEPARTMENTS (Schedule 15)	1,172,201.22	
1. Post-Graduate Course in Ophthalmology.....	12,211.00	
2. Hospital.....	<u>189,690.11</u>	
	201,901.11	1,374,102.33
(2) AUXILIARY ENTERPRISES		
1. Residence Halls (Schedule 16).....	18,345.94	
2. Services (Schedule 17).....	<u>41,442.81</u>	
	59,788.75	
(3) NON EDUCATIONAL		
1. Prizes—Awarded from Current Funds Unrestricted.....	30.00	
Prizes—Awarded from Gifts Received (Schedule 5).....	290.00	
Prizes—Awarded from Gift Received (Schedule 6).....	25.00	
Prizes—Awarded from Endowment Income (Schedule 30).....	<u>642.00</u>	
2. Scholarships—Awarded from Current Funds Unrestricted.....	987.00	
3. Interest on Notes Payable.....	14,711.35	
	<u>27,120.07</u>	
	42,818.42	1,476,709.50
EXCESS OF CURRENT OPERATING INCOME OVER CURRENT OPERATING EXPENSE—SCHEDULE 1		19,835.20

## SCHEDULE 4



GIFTS — PURPOSE AND DONOR  
For the Year ended August 31, 1940

CURRENT FUNDS

EDUCATIONAL AND GENERAL		
UNRESTRICTED—SCHEDULE 3		
Goldstein, Dr. Samuel.....	100.00	
Woodward, James Morris.....	250.00	350.00
RESTRICTED—SCHEDULE 3		
Alumni Office Expense—General Alumni Association.....	100.00	
School of Government—National League of Masonic Clubs.....	2,500.00	
Fellowship in Neurology—Drs. Freeman, Watts, and Shapiro.....	520.00	3,120.00
RESTRICTED—SCHEDULE 6		
Worth Fund—Wilmer Worth Estate.....	1,650.00	
Organized Research.....	5,741.07	7,391.07
		10,511.07
ACTIVITIES RELATING TO INSTRUCTIONAL DEPARTMENTS		
HOSPITAL—SCHEDULE 15		
Amity Club.....	100.00	
Brodie and Colbert.....	100.00	
Tompkins, Charles H.....	1,030.00	
Women's Board.....	875.00	2,105.00

NON EDUCATIONAL

SCHOLARSHIPS

Charles Worthington Dorsey Memorial Scholarship— to assist a law student.....	224.00
Columbian Women to assist various students.....	547.74
Order of Eastern Star—School of Medicine.....	125.00
	896.74

Alpha Delta Pi Sorority..... 10.00  
Beta Beta Beta Sorority..... 25.00  
Chi Omega Sorority..... 25.00  
Cor. Georgia.....

Alpha Delta Pi Sorority	10.00
Biesen, Fritz V.	25.00
Chi Omega Sorority	25.00
Cox, George H.	25.00
D. C.—D. A. R.	15.00
Davis, Harry C.	75.00
Delphi Sorority	10.00
Delta Zeta Sorority	10.00
Kappa Kappa Gamma Sorority	10.00
Phi Mu Sorority	10.00
Phi Sigma Sigma Sorority	10.00
Pi Beta Phi Sorority	10.00
Pi Lambda Theta Fraternity	20.00
Sigma Kappa Sorority	25.00
	<u>20.00</u>

LOAN FUNDS (Schedule 25) 290.00 1,186.74 14,152.81

Home Economics Loan Fund—D. C. Home Economics Association 25.00

Student Loan Fund—Thomas A. Larremore 100.00 125.00

ENDOWMENT FUNDS—Schedule 25

SCHOOL OF MEDICINE	
School of Medicine Fund—Mrs. Henry A. Strong	1,000.00
School of Medicine Fund—Theodore Noyes	1,000.00
School of Medicine Fund—Corrin Strong	500.00
School of Medicine Fund—Cloyd H. Marvin	250.00
School of Medicine Fund—Henry P. Erwin	<u>250.00</u>
	3,000.00

MISCELLANEOUS

D. C.—D. A. R. Fund—D. C. Chapter of D. A. R.	227.80
Graduate Endowment Fund—Various donors	<u>464.40</u>
Prize	692.20

Goddard Prize Fund—Frederick J. Goddard

PLANT FUNDS—UNEXPENDED (Schedule 25) 500.00 4,192.20

PLANT ADDITIONS

Engineering Club Room Fund—G. W. U. Engineers' Council	69.20
Engineers' Library Fund—Engineering Alumni and Students	35.00
Liener Auditorium Fund—Abram Lisner Estate	66,207.00
Pairo Fund—Richard E. Pairo Estate—Realization of Not-appraised Assets	283.51
Women's Activities Building Fund—Various Donors	<u>639.17</u>
	67,233.88

TOTAL GIFTS

85,703.89

# CURRENT FUNDS RESTRICTED—UNEXPENDED

For the Year Ended August 31, 1940

University Funds	Balance August 31, 1939	Add Receipts	Deduct Expenses		Balance August 31, 1940
			Salaries	Supplies	
<b>ORGANIZED RESEARCH (Gifts)</b>					
School of Engineering	39.49			39.49	
Calcium Chloride Association					
School of Medicine	53.24			53.24	
American Medical Association		350.00		96.99	253.01
American Medical Association—Grant 562		1,020.00	690.00		330.00
Baxter Laboratories		600.00			600.00
Cecelia Cummings Fund		150.00			150.00
Difco Laboratories	199.40	1,800.00	1,200.00	676.96	122.44
Kane and Kotz, Drs.	262.16	118.32		380.48	
Lederle Laboratories	43.68	727.79		747.99	23.48
Mothers' Health Clinic		225.00		225.00	
National Research Council (Dr. Hunt)		749.96		749.96	
National Research Council (Dr. Foley)					
	597.97	5,741.07	1,890.00	2,970.11	1,478.93
PORTION USED—SCHEDULES 3-4					4,860.11



	Withdrawals	
	To Schedule 1, To Schedules 3-4, To Schedules 3-4, Pub- lication of Directory, Returned to Donor.	
MISCELLANEOUS		
Administrative Reserve Fund	963.18	3.18
History Club Prize Fund	25.00	
Worth Fund (Schedule 5)	2,898.55	
Hope Lodge No. 20	16.00	4,394.40
Kimmel Hospital Fund	3,071.70	3,071.70
Plumbing and Heating Institute	310.71	310.71
Rust Hospital Fund	5,000.00	5,000.00
University Press—For Publication of "Management Policy"		
University Press—Receipts from "The Supreme Court"	50.00	50.00
Key Deposits—Biology Department	82.94	82.94
Key Deposits—Botany Department	3.50	3.50
	17.25	17.25
	1,803.69	1,155.15
	12,285.14	12,933.68
TOTAL—EXHIBIT A		14,412.61

**CURRENT FUNDS RESTRICTED—UNEXPENDED**  
For the Year Ended August 31, 1940

AGENCY FUNDS		Deposits	Withdrawals	Balance August 31, 1940
These funds represent cash deposited with the University for safekeeping purposes only; they may be withdrawn by the depositors at any time.				
American Association of University Professors		33 80		33 80
Engineers' Council Emergency Fund		45 00		45 00
G. W. U. Flower Fund		17 00		17 00
Order of Artus		33 64	5 70	27 94
Pat Donovan Memorial Fund		81 35		81 35
Phi Delta Delta Women's Legal Fraternity		8 55		8 55
Phi Eta Sigma Fraternity		96 04	47 00	49 04
Sorority Hall Council		37 78		37 78
Swisher History Club		136 25	15 50	120 75
<b>TOTAL—EXHIBIT A</b>		<b>489 41</b>	<b>68 20</b>	<b>421 21</b>

INCOME—STUDENT FEES  
TUITION AND LABORATORY, AND MISCELLANEOUS  
For the Year Ended August 31, 1940

TUITION AND LABORATORY FEES

Junior College.....	313,052.66
Columbian College.....	107,227.92
Graduate Council.....	4,318.66
School of Government.....	29,403.04
Division of University Students.....	111,793.12
	<u>565,995.40</u>

Division of Library Science.....	606.82
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School of	
Education.....	35,009.54
Engineering.....	42,035.95
Law.....	108,020.74
Medicine.....	131,857.53
Pharmacy.....	5,639.40
Summer Sessions (detailed opposite).....	70,540.31
Unallocated (Fees Old).....	<u>3,461.42</u>

TOTAL—SCHEDULE 3..... 963,167.11

MISCELLANEOUS FEES

Binding Theses.....	348.00
Breakage Fees.....	2,736.41
Entrance Examinations.....	30.00
Graduation Fees.....	13,640.00
Junior Certificates.....	3,600.00
Medical School Credentials.....	1,623.00
Pilot Training Program.....	1,760.00
Student Bar Association Fees.....	3,957.00
University Fees.....	106,004.00

TOTAL—SCHEDULE 3..... 133,698.41

SUMMER SESSIONS TUITION (detailed)

College	
Junior.....	17,318.50
Columbian.....	10,386.25
Division of	
University Students.....	19,968.81

School of	
Education.....	5,740.50
Engineering.....	2,695.50
Government.....	3,416.50
Law.....	<u>11,014.25</u>

70,540.31

SCHEDULE 7



EXPENSE — ADMINISTRATION AND GENERAL  
For the Year Ended August 31, 1940

Item	Total	President's Office	Alumni Office	Admissions Office	Inter- American Center	Personnel Department	Public Relations Office
Salaries.....		29,023.15	4,400.00	8,002.27	2,914.50	3,292.20	6,078.75
Office Expense.....		272.95	494.27	1,178.30	96.52	200.00	554.50
Stationery, Printing, Postage.....		1,181.49					
Travel.....		1,913.39	42.50				
Subscriptions and Memberships.....		345.32					25.32
Entertainment.....		2,769.13	193.77		100.00	33.97	
Emergency.....		5,349.62					
Publication of Magazine.....			2,262.13	8,123.08			
Catalogues: Printing.....				423.08			
“ Mailing.....				50.00			
Entrance Examinations.....					1,044.96		
Publications—General.....					725.33		
Conference Account.....						50.54	
Laundry.....							299.45
Clippings.....							1,993.35
Publicity—Athletics.....							
Equipment..... Schedule 2			206.33				
	83,640.17	40,855.05	7,599.00	17,776.73	4,881.31	3,576.71	8,951.37

	General Expense	Adviser to Students from Foreign Countries	University Chapels	Student Bar Association	Comptroller's Office	Registrar's Office
Salaries.....	6,500.53	714.50	287.00		26,218.45	12,440.10
Office Expense.....	11,215.00	25.00			3,812.90	2,154.28
Retirement Salaries.....	1,646.95					
Advertising.....	1,200.00					
Auditing.....	11,271.14					
Special Occasions.....	1,250.00					
Counsel Fee.....	1,700.00					
Investment Counselor Service.....	814.18					
Real Estate Financing.....	330.50					
Surety Bonds.....	6,681.34					
Telephones.....						
Women's Activities Building						
Campaign Expense.....	50.00					
Co-operative Meetings.....	495.50	125.00				
Entertainment.....						
Books.....			41.93			
Printing and Postage.....			69.96			
General Expense.....				862.15		
Operating Medical Stockroom.....	378.72					
Operating University Stockroom.....	935.93					
	43,469.79	864.50	398.89	862.15	30,031.35	14,594.38
90,221.06						
<b>TOTAL—SCHEDULE 4.....</b>	<b>173,861.23</b>					

SCHEDULE 8

# EXPENSE—INSTRUCTION

For the Year Ended August 31, 1940

College, Division, or School	Total	Administration			Instruction			
		Salaries	Office Expense	Other Expense	Salaries	Laboratory Supplies	Equipment (Schedule 2)	Other Expense
Junior College .....		2,685.00	244.93					
Columbian College.....		2,425.00	150.00					
Division of .....								
Journalism.....			14.90					
University Students .....		1,700.00	141.11					
Graduate Council .....		1,820.00	317.77	58.13 A				
School of Government .....		440.00	39.06					
Total.....	319,178.30	9,070.00	907.77	58.13	295,066.94*	10,647.51*	2,193.64*	1,234.31*
Division of .....								
Library Science.....	1,809.89		32.51		1,700.00	63.30	14.08	
School of .....								
Education.....	25,512.30	2,028.00	120.74		21,912.00	614.99	99.78	736.79 B
Engineering.....	45,041.66	6,732.25	225.00		34,590.00*	940.74*	1,993.67*	560.00 C
Law .....	70,733.95	4,386.67	673.62	951.77 B	64,331.89			390.00 D
Medicine.....	158,276.63	16,439.96	699.98	1,484.82 C	125,329.12*	12,559.92*	1,562.83*	
Pharmacy .....	10,209.99	250.00	58.67		8,195.00	630.60	1,051.12	24.60 E
Summer Sessions .....	49,695.43	2,080.00	380.44	1,754.91 D	43,778.80	719.24*		982.04 C
TOTAL SCHEDULE 4 .....	680,458.15	41,186.88	3,098.73	4,249.63	594,903.75	26,176.30	6,915.12	3,927.74

\* (Refer to Schedule 10)



"OTHER EXPENSE"—DETAILED

<i>Administration</i>	<i>Other Expense</i>	<i>Instruction</i>	<i>Other Expense</i>
Announcements.....	29 50	Office Expense.....	1,234.31 *
Examiner's Expense.....	28.63	Office Expense.....	736.79 B
Dean's Operating Fund.....	162 16	Supervising Teachers' Scholarships.....	1,542.04 C
Symposium--Administrative Law.....	789.61	Pilot Training Program.....	390 00 D
Dues.....	150 00	Office Expense.....	24.60 E
Professional Reprints.....	364 51	Repairs.....	
Students' Room Rent.....	570 31		
Dean's Operating Fund.....	400.00		
	1,484.82 C		
Printing.....	1,264 20		
Postage.....	123 62		
Social.....	367.09		
	1,754.91 D		
	4,249.63		3,927.74

# INSTRUCTION — DETAILED

## For the Year Ended August 31, 1940

COLLEGE, DIVISION, OR SCHOOL	SALARIES	OFFICE EXPENSE	LABORATORY SUPPLIES	EQUIPMENT
<b>JUNIOR AND COLUMBIAN COLLEGES</b>				
<b>DIVISIONS OF JOURNALISM AND UNIVERSITY STUDENTS</b>				
<b>GRADUATE COUNCIL AND SCHOOL OF GOVERNMENT</b>				
Art.....	9,300.00	35.00	930.00	61.44
Biology.....	3,600.00	3.50	248.64	22.13
Botany.....	9,450.00	38.85	649.36	297.73
Business Administration.....	15,650.00	49.99		
Chemistry.....	25,341.34	194.42	6,000.00	488.50
Classical Languages and Literature.....	2,200.00	10.11		
Economics.....	21,205.00	58.32		
English.....	47,090.00	74.93	74.48	
Extension.....	750.10		134.75	
Geology.....	1,650.00	16.70		
Germanic Languages.....	8,800.00	16.16		
History.....	19,582.50	100.00	23.14	
Journalism.....	2,100.00			
Mathematics.....	13,950.00	34.17		
Philosophy.....	2,950.00	19.32		
Physics.....	25,812.00	37.32	704.98	75.40
Political Science.....	15,150.00	48.75		
Psychology.....	14,690.00	22.84	389.32	125.21
Public Speaking.....	12,300.00	185.50		
Romance Languages.....	22,696.00	58.65		
Sociology.....	3,650.00	49.60		
Statistics.....	6,050.00	149.91		
Zoology.....	11,100.00	30.27		
TOTALS	295,086.94	1,234.31	1,492.84	200.00
			10,447.51	923.23
				2,193.64

TOTALS SCHEDULE 9

TOTALS—SCHEDULE 9. . . . . 1,234.31 10,647.51 2,193.64

SCHOOL OF ENGINEERING

	SALARIES	LABORATORY SUPPLIES	EQUIPMENT
Civil .....	14,010.00	246.91	1,296.44
Electrical .....	7,630.00	386.14	289.43
Mechanical .....	12,950.00	307.69	407.80
TOTALS—SCHEDULE 9 .....	34,590.00	940.74	1,993.67

SCHOOL OF MEDICINE

Anatomy .....	9,500.00	356.49	104.25
Bacteriology, Hygiene, and Preventive Medicine .....	14,844.00	796.87	303.13
Biochemistry .....	15,596.00	850.08	300.00
Dermatology .....	650.00		
Experimental Medicine .....	6,200.00	169.69	
Medicine .....	12,025.00		
Neurology .....	2,830.00	150.24	
Obstetrics and Gynecology .....	6,149.96		
Ophthalmology .....	1,200.00	25.00	
Oto-rhino-laryngology .....	1,850.00		
Pathology .....	17,404.16	1,022.71	443.09
Pediatrics .....	1,900.00		
Pharmacology .....	9,850.00	500.00	200.00
Physiology .....	15,000.00	712.64	212.36
Psychiatry .....	1,850.00		
Surgery .....	5,750.00		
Urology .....	1,100.00		
General Research .....	1,630.00	7,976.20	
TOTALS—SCHEDULE 9 .....	125,329.12	12,559.92	1,562.83

SUMMER SESSIONS—LABORATORY SUPPLIES

Botany .....	40.00
Chemistry .....	428.17
Physics .....	60.77
Statistics .....	52.72
Zoology .....	137.58

TOTAL—SCHEDULE 9 .....

719.24

SCHEDULE 10



# EXPENSE — PHYSICAL EDUCATION AND LIBRARIES

For the Year Ended August 31, 1940

	TOTAL	MEN	WOMEN
PHYSICAL EDUCATION			
Salaries	24,575.20	14,530.00	10,045.20
Office Expense	273.11	70.86	202.25
Intramurals	997.77	997.77	
Swimming Pool Rent	300.00	300.00	
Y. M. C. A. Floor	200.00	200.00	
Supplies	129.90	129.90	
Repairs and Replacements	50.00	50.00	
Renovation and Laundry	768.75	550.46	
Sports	1,193.61		218.29
Transportation to Field	850.00		1,193.61
Equipment	96.84		850.00
			96.84
TOTAL EXPENSE—SCHEDULE 4	29,435.18	16,828.99	12,606.19

	EQUIPMENT (SCHEDULE 2)	BOOKS (SCHEDULE 2)	OTHER EXPENSE
LIBRARIES			
Equipment	199.02		
Books—Arts and Sciences		4,115.49	
Books—Law		3,991.62	
Books—Medicine		798.98	
Books—Pharmacy		496.87	
Salaries			20,248.20
Office Expense			364.65
Library of Congress Cards			500.00
Binding			3,897.77
Replacements			591.90
TOTAL EXPENSE—SCHEDULE 4	199.02	9,402.96	25,602.52

EXPENSE—OPERATION AND MAINTENANCE OF PLANT  
 For the Year Ended August 31, 1940

SALARIES.....	7,243.85	
WAGES.....		
Grounds.....	3,323.88	
Janitors.....	43,562.14	
Watchmen.....	3,215.80	
Mechanics.....	6,593.09	63,938.76
JANITORS' EXPENSES.....		
Supplies.....	9,477.87	
Electricity and Gas.....	16,149.93	
Coal.....	9,241.14	
Water.....	1,025.69	
Hauling.....	1,398.00	
GROUNDS—SUPPLIES.....		37,292.63
REPAIRS.....		1,321.90
Supplies.....	10,831.05	
Plumbing and Roofing.....	1,459.12	
Steamfitting.....	793.00	
To Equipment.....	922.85	
Elevators.....	1,480.33	15,486.35
MAJOR REPAIRS.....		
Painting President's Building.....	273.75	
Remodel and Recondition International House.....	842.90	
Alterations on First Floor of Corcoran Hall.....	1,114.59	
Alterations on Third Floor of Building C.....	542.22	
Painting Gymnasium.....	622.65	
Repairs and Alterations—Gymnasium.....	2,778.97	
Painting in Stockton Hall.....	4,740.07	
Painting Exterior of Mechanical Laboratory.....	423.90	
Alterations—Rooms 102-105, Building C.....	702.03	
Alterations—School of Engineering.....	505.68	
Fence—H Street.....	131.80	12,678.56
EQUIPMENT.....		3,976.85
GENERAL SERVICES.....		
Insurance.....	8,537.68	
Taxes.....	1,323.92	9,861.60
TOTAL—SCHEDULE 4.....		144,556.65

INCOME — STUDENT ACTIVITIES  
For the Year Ended August 31, 1940

INCOME	
Cherry Tree.....	3,349.15
Hatchet.....	5,567.68
Law Review.....	3,832.12
University Press.....	219.28
Dramatics.....	621.45
Glee Club.....	115.00
Varsity Club Rent.....	2,570.00
TOTAL INCOME—SCHEDULE 3.....	<u>16,274.68</u>



EXPENSE — STUDENT ACTIVITIES  
For the Year Ended August 31, 1940

Item	Total	Student Council Accounts	University Accounts	Health Administration	Law Review	Other Expense
Salaries.....		379.32	2,900.00	7,200.00	2,560.00	
Handbook—Printing.....		7,655.62				
Hatchet—Printing.....		481.26				
Engraving.....		613.60				
Circulation.....		308.27				
Advertising Commissions.....		572.51				
Office Expense.....		3,463.94				
Cherry Tree Printing and Engraving.....		497.53				
Band.....		247.08				
Glee Club.....		496.83				
Debating.....		929.74				
Dramatics.....		143.30				
Student Council.....		46.00				
Orchestra.....			346.19			
High School Debate.....				5,674.93		
Hospital and Medical Services.....					7,049.59	
Printing and Circulation.....					665.31	
Office Expense.....						59,328.26
Men's Athletics.....						1,101.13
Student Activity Books.....						82.94
University Press.....						
<b>TOTAL EXPENSE—SCHEDULE 4.....</b>	<b>102,743.35</b>	<b>15,835.00</b>	<b>3,246.19</b>	<b>12,874.93</b>	<b>10,274.90</b>	<b>60,512.33</b>

# INCOME AND EXPENSE RENTED INSTITUTIONAL PROPERTY

For the Year Ended August 31, 1940

INCOME	
Rents.....	6,460.59
EXPENSE	
Interest.....	690.68
Taxes.....	1,280.18
Insurance.....	62.77
Maintenance.....	426.80
Agents' Expense.....	318.56
Commissions.....	1,418.28
Maintenance.....	
	<u>4,197.27</u>
NET INCOME—SCHEDULE 3.....	<u>2,263.32</u>

# ACTIVITIES RELATING TO INSTRUCTIONAL DEPARTMENTS

## POST-GRADUATE COURSE IN OPHTHALMOLOGY

For the Year Ended August 31, 1940

	TOTAL	COURSE 1 SURGERY	COURSE 2 INTENSIVE	COURSE 3 AVIATION OPHTHALMOLOGY	COURSE 2 NOTES	COURSE 3 NOTES
INCOME—DEFERRED FROM 1939-39.....	1,801.38					
Income 1939-40.....	13,982.63	2,452.63	5,436.00	2,175.00	2,733.00	1,186.00
Deferred to 1940-41 (Schedule 18)...	15,784.01					
TOTAL INCOME—Applicable to 1939-40 Schedule 3.....	3,573.01					
	12,211.00					

### EXPENSE

Salaries.....	800.00
Honoraria.....	2,065.00
Advertising.....	2,266.94
General Expense.....	457.84
Lecturers' Expense.....	470.49
Animal Care.....	162.07
Printing, Mailing.....	167.25

	2,078.75	1,111.25
TOTAL EXPENSE—SCHEDULE 4.....	12,211.00	1,111.25



# ACTIVITIES RELATING TO INSTRUCTIONAL DEPARTMENTS (Continued)

## STATEMENT OF OPERATING INCOME AND EXPENSE THE GEORGE WASHINGTON UNIVERSITY HOSPITAL

For the Year Ended August 31, 1940

### INCOME

#### HOSPITAL PATIENTS

Private Rooms .....	66,862.81
Semi-Private Rooms .....	11,458.00
Wards .....	27,886.11
Delivery Rooms .....	2,681.50
Operating Rooms .....	9,233.60
Basal Anesthesia .....	818.00
X-Ray, Hospital .....	1,034.55
X-Ray, Roentgenologist .....	9,130.35
Laboratory, General .....	9,248.10
Pathological Examinations .....	
Frozen Sections .....	379.61
Tissues .....	877.75
Pharmacy .....	11,469.52
Telephone and Telegraph .....	419.17
Sale of Supplies .....	590.49
Board of Special Nurses .....	4,191.00
Other Hospital Service .....	614.00
Out-Patient Department .....	899.30
	<b>157,293.86</b>

#### SPECIAL ITEMS

Community Chest .....	17,681.54
Health Security Administration .....	3,547.21
Group Hospitalization Dividend .....	1,562.75
	<b>22,791.50</b>

#### ENDOWMENT INCOME AND GIFTS

Endowment Income (Schedule 30) .....	798.57
Gifts (Schedule 5) .....	2,105.00
Other Sources .....	
Subsistence of Staff (per contra) .....	20,946.00
Miscellaneous Income .....	53.36
<b>TOTAL INCOME</b> .....	<b>203,988.29</b>

### EXPENSE (Continued)

PHARMACY	
Salaries .....	1,380.00
Drugs and Chemicals .....	9,506.71
Supplies .....	32.80
	<b>10,919.51</b>
MEDICAL RECORDS AND LIBRARY	
Salaries .....	1,440.00
Supplies .....	61.75
	<b>1,501.75</b>
SUBSISTENCE OF STAFF (per contra) .....	<b>20,946.00</b>
X-RAY DEPARTMENT	
Salaries .....	5,030.35
Medical and Surgical Supplies .....	1,738.66
Other Supplies .....	235.46
Maintenance of Equipment .....	1,157.45
	<b>8,161.92</b>
LABORATORIES	
Salaries .....	6,071.78
Medical and Surgical Supplies .....	208.19
Equipment .....	79.61
Miscellaneous Supplies .....	654.61
	<b>7,014.19</b>
HOUSEKEEPING	
Salaries .....	5,500.69
Bedding .....	495.10
Linen and Dry Goods Material .....	689.92
Cleaning Supplies .....	751.78
Other Supplies .....	856.59
Maintenance of Equipment .....	24.20
Equipment .....	145.00
	<b>8,463.28</b>

TOTAL INCOME. SCHEDULE 3. 53.36. 20,999.36. 856.59.  
 Maintenance of Equipment. 24.20.  
 Equipment. 145.00. 8,463.23.

EXPENSE

ADMINISTRATION\*

Salaries.....	8,605.20
Stationery, Printing, Supplies.....	575.77
Telephone and Telegraph.....	2,296.10
Postage.....	349.97
Street Car and Taxi Fares.....	30.60
Freight, Express, Drayage.....	268.43
Dues and Membership Fees.....	26.79
Maintenance of Equipment.....	23.25
	<u>12,176.11</u>

\* Note: Hospital Administrative Expense does not include that portion of University Administrative Expense (Schedule 8) allocable to the Hospital.

MEDICAL AND SURGICAL CARE

Salaries.....	2,880.00
Patients' Clothing.....	140.44
Medical and Surgical Supplies.....	4,470.00
Surgical Instruments.....	971.01
Maintenance of Equipment.....	95.00
Equipment.....	1,012.30
Miscellaneous.....	4,444.13
	<u>14,012.88</u>

NURSING CARE

Salaries.....	45,143.37
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OUT-PATIENT DEPARTMENT

Salaries.....	4,388.00
Supplies.....	31.98
Equipment.....	67.90
	<u>4,487.88</u>

LAUNDRY..... 9,484.19

DIETARY

Salaries.....	8,946.25
Food.....	25,927.76
China, Silver, Kitchen Utensils.....	519.22
Miscellaneous Supplies.....	227.71
Gas.....	909.38
Maintenance of Equipment.....	73.77
	<u>36,604.09</u>

HEAT, LIGHT, POWER

Coal and Wood.....	1,591.60
Electrical and Heating Supplies.....	159.96
Electricity.....	2,927.35
Water.....	36.00
	<u>4,714.91</u>

MAINTENANCE OF BUILDING

Salaries.....	2,200.00
Materials for Repairs.....	2,517.28
Supplies.....	562.75
	<u>5,340.03</u>

MAINTENANCE OF GROUNDS

Salary.....	<u>720.00</u>
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TOTAL EXPENSE—SCHEDULE 4.....	<u>189,690.11</u>
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# INCOME AND EXPENSE — RESIDENCE HALLS For the Year Ended August 31, 1940

	TOTALS	HATTIE M. STRONG RESIDENCE HALL	SORORITY HALLS	
			G STREET	21ST STREET
INCOME				
Rents .....	27,363.67	21,016.17		
Miscellaneous .....	104.70	104.70	4,625.00	1,722.50
TOTAL INCOME—SCHEDULE 3 .....	27,468.37	21,120.87	4,625.00	1,722.50
EXPENSE				
Salaries .....	1,535.60	1,535.60		
Wages—Fireman and Maids .....	3,983.50	3,983.50		
Office Expense .....	9.75	9.75		
Telephones .....	1,452.26	1,452.26		
Matron's Supplies .....	50.00	50.00		
Overnight Guest Expense .....	.95	.95		
Heat, Light, Power .....	3,290.75	2,568.59	506.34	215.82
Supplies .....	1,074.33	1,000.00	77.33	17.00
Repairs to Buildings .....	3,971.65	1,812.86	720.79	1,438.00
Water .....	226.94	213.08	13.86	
Elevator Maintenance .....	504.25	504.25		
Equipment Maintenance .....	384.31	384.31		
Interest .....	1,151.25		731.25	420.00
Insurance .....	15.00		15.00	
Taxes .....	673.40		455.38	218.02
TOTAL EXPENSE—SCHEDULE 4 .....	18,345.94	13,517.15	2,519.95	2,308.84



**INCOME AND EXPENSE — SERVICES**  
**For the Year Ended August 31, 1940**

	Totals	Student Clubs		Duplicating Bureau <sup>a</sup>
		University	Medical	
<b>INCOME</b>				
Sales—Schedule 3.....	43,932.16	39,024.43	1,997.03	2,910.70
<b>COST OF GOODS SOLD</b>				
Inventories August 31, 1939.....	2,410.00	1,875.00	385.00	150.00
Purchases.....	33,925.12	30,482.74	1,747.26	1,695.12
<b>Less</b>				
Inventories August 31, 1940 (Exhibit A).....	36,335.12	32,357.74	2,132.26	1,845.12
	2,953.00	2,167.00	433.00	353.00
	33,382.12	30,190.74	1,699.26	1,492.12
<b>EXPENSE</b>				
Salaries.....	6,709.14	5,520.81		1,188.33
Operating Expense.....	581.08	581.08		
Equipment.....	257.97	257.97		
Equipment Reserve (Schedule 25).....	500.00			500.00
Repairs.....	12.50			12.50
<b>TOTAL EXPENSE—SCHEDULE 4.....</b>	<b>41,442.81</b>	<b>36,550.60</b>	<b>1,699.26</b>	<b>3,192.95</b>
<b>NET INCOME OR LOSS.....</b>	<b>2,489.35</b>	<b>2,473.83</b>	<b>297.77</b>	<b>(-282.25)</b>

<sup>a</sup> Consisting largely of interdepartmental transactions.

# TRUST NOTES RECEIVABLE

## GARFIELD MEMORIAL HOSPITAL

Due \$1,000 each May 11 and November 11 until paid in full. Interest 4%. Secured by lots 800, 801, 806, and 809, square 2864. Formerly the Sherman Avenue Property. . . . . 14,000.00

## HARRY AND COMPANY, INC.

Due July 9, 1945. Interest 5%. Secured by lots 53 and 54, square 248. . . . . 44,000.00

# ACCOUNTS RECEIVABLE

Faculty Club, for equipment. . . . . 3,033.45  
Employees, for personal purchases. . . . . 408.77

# PREPAID EXPENSE

Medical Stockroom Supplies. . . . . 10,266.00  
University Stockroom Supplies. . . . . 17,000.00  
Salaries. . . . . 4,020.00  
Other. . . . . 500.00

# NOTES PAYABLE

Unsecured Loan from Riggs National Bank. Due on or before October 28, 1940. Interest 4%. . . . . 50,000.00  
Unsecured Loan from Riggs National Bank. Due on or before November 18, 1940. Interest 4%. . . . . 50,000.00

# DEFERRED INCOME AND DEPOSITS

School of Medicine. . . . . 7,750.00  
Graduation Fees. . . . . (40.00)  
Junior Certificates. . . . . 20.00  
Strong Hall Rent of Rooms. . . . . 1,325.00  
Homecoming Celebration. . . . . 191.13  
Post-Graduate Course in Ophthalmology (Schedule 15). . . . . 3,575.01  
Special Deposits (by students taking Civil Aeronautics Authority Courses) . . . . . 1,220.00

14,159.14

SCHEDULE 18

August 31, 1940  
EXHIBIT A

TRUST NOTES PAYABLE — INVESTED IN PLANT  
 August 31, 1940

PAYEE OR HOLDER AND SECURITY	LOT	SQUARE	DATE DUE	INTEREST RATE	PRINCIPAL
American Security and Trust Co.—Stockton Hall.....	44	102	12-17-40	4½%	140,000.00
American Security and Trust Co.—2037 H Street NW. 817		101	*	5%	5,820.36
George Washington University Endowment Funds 1335-41 H Street NW.....	43	250	12-1-20	0	323,430.23
Burwell, S. Winifred—Sorority Hall.....	805	79	†	4½%	15,600.00
Linkins, Geo. W., Co., (agent for payee) 802 21st Street NW.....	35	77	10-5-40	6%	7,000.00
Riggs National Bank Biological Sciences Building.....	45	102			
Fine Arts Building.....	8	79			
Lisner Library.....	833	102			
Social Sciences Building.....	24-25-28-29-30	102			
2033 G Street NW.....	731-32-800-801	102			
2010-12 14 16 H Street NW.....	805-806	102			
712-14-16 20th Street NW.....	823-824-825-826	102	‡	4½%	226,250.00
713-15-16 21st Street NW.....	40-41-42	102			
	807-808	102			
	830-831	79			
Washington Loan and Trust Co.—Corcoran Hall.....	43	102	12-14-41	4½%	208,000.00

\* Curtailment due the 5th day of each month until paid in full.  
 † \$1,800 due annually until October 28, 1941, when the remaining balance is due.  
 ‡ \$6,250 due each September 23rd and quarterly thereafter until September 23, 1946, when the remaining balance is due.

TOTAL—EXHIBIT A..... 926,100.59



# LAND AND BUILDINGS -- INVESTED IN PLANT

For the Year Ended August 31, 1940

Building or Location	Lot	Square	Year Acquired or Erected	Balance August 31, 1939	Additions	Balance August 31, 1940
Field House Site	15-13-28-805 thru 817 836-838-839	56	1936	87,080.00		87,080.00
Biological Sciences Building	45	102	1914-35	151,129.97		151,129.97
Corcoran Hall	43	102	1919-24	327,481.92		327,481.92
Fine Arts Building	8	79	1936	25,500.00		25,500.00
Hall of Government	47-800-801	79	1918-38	239,035.63		239,035.63
Lisner Auditorium (site)	A-13-17-46-52-820 821-822-823-824 825-826-827-829 (830-831-832-833	79	1929-40	233,260.00	73,655.51	306,915.51
Lisner Hall	815-816-817	102	1912-39	313,203.82	59,026.37	372,230.19
Mechanical Laboratory	35-830	102	1923-30	43,667.49	13,916.38	57,583.87
New Hampshire Avenue Property	43	40	1940		12,443.00	12,443.00
School of Medicine and Hospital	24-25-28-29-30 31-32-800-801	250	1882-1932	974,520.00		974,520.00
Social Sciences Building	805	102	1922-36	269,279.60		269,279.60
Sorority Hall	44	79	1936	36,989.72		36,989.72
Stockton Hall	19-20-818-819	102	1920-25	279,325.93		279,325.93
Strong Hall		80	1925-36	247,186.90		247,186.90
G Street NW --	2003	102	1936	11,700.00		11,700.00
"	2024	103	1922	14,955.00		14,955.00
"	2026	103	1929	15,074.96		15,074.96
"	2033	102	1922	32,500.00		32,500.00
"	2106	80	1937	19,000.00		19,000.00
"	2111	79	1938	55,646.21		55,646.21
"	2117	79	1938	60,000.00		60,000.00
"	2121	79	1939	500.00		500.00
					9,646.50	10,146.50



# EQUIPMENT AND LIBRARY BOOKS — INVESTED IN PLANT

For the Year Ended August 31, 1940

	BALANCE August 31, 1939	ADDITIONS 1939-1940	BALANCE August 31, 1940
<b>EQUIPMENT</b>			
Administration.....	41,046.97	4,183.18	45,230.15
Arts and Sciences.....	39,690.54	2,293.42	41,983.96
Biological Sciences Building.....	16,061.46	.....	16,061.46
Division of Fine Arts.....	545.13	.....	545.13
Duplicating Bureau.....	1,200.00	574.50	1,774.50
Gymnasium.....	2,383.77	96.84	2,480.61
Hall of Government.....	15,174.39	.....	15,174.39
Hospital.....	45,512.82	.....	45,512.82
Law School.....	1,739.63	.....	1,739.63
Lisner Library.....	1,044.04	22,959.47	24,003.51
Mechanical Laboratory.....	9,765.06	5,159.70	14,924.76
School of Medicine.....	45,590.78	1,562.83	47,153.61
School of Pharmacy.....	4,454.20	1,051.12	5,505.32
Social Sciences Building.....	4,765.44	.....	4,765.44
Strong Hall.....	18,117.63	.....	18,117.63
Student Club.....	3,668.99	257.97	3,926.96
<b>TOTAL—EXHIBIT A.....</b>	<b>250,760.85</b>	<b>38,139.03</b>	<b>288,899.88</b>
<b>LIBRARY BOOKS</b>			
Arts and Sciences.....	51,845.46	4,115.49	55,960.95
Law School.....	38,972.32	3,991.62	42,963.94
School of Medicine.....	9,872.31	798.98	10,671.29
School of Pharmacy.....	1,084.77	496.87	1,581.64
<b>TOTAL—EXHIBIT A.....</b>	<b>101,774.86</b>	<b>9,402.96</b>	<b>111,177.82</b>



## PRINCIPAL OF LOAN FUNDS

August 31, 1940

<b>DISTRICT OF COLUMBIA D. A. R. LOAN FUND</b>	
Created from income of the D. C.-D. A. R. Endowment Fund: (Schedule 23—page 3). To be loaned to children of members.....	1,256.51
<b>HOME ECONOMICS LOAN FUND</b>	
Created June 26, 1940, by the D. C. Home Economics Association to be loaned to senior girls majoring in Home Economics.....	25.00
<b>PHARMACY LOAN FUND</b>	
Created February 28, 1933, by the W.O.N.A.R.D. to be loaned to students of the School of Pharmacy for payment of tuition in the University.....	155.69
<b>STUDENT LOAN FUND</b>	
Created by the University to make short time loans for educational purposes.....	7,912.16
<b>TOTAL—EXHIBIT A.....</b>	<u>9,349.36</u>

# RESERVES FOR PROTECTION OF INVESTMENTS OF ENDOWMENT FUNDS

August 31, 1940

RESERVE FOR PROTECTION OF CONSOLIDATED ENDOWMENT FUNDS INVESTMENTS	
Created from gains arising from the sales of investments, and by setting aside annually a portion of the income of Consolidated Endowment Funds assets. ....	29,275.32
RESERVE FOR PROTECTION OF SCOTTISH RITE ENDOWMENT FUND INVESTMENTS	
Created from gains arising from the sales of Scottish Rite investments. ....	32,738.98
TOTAL—EXHIBIT A.....	<u>62,014.30</u>

# PRINCIPAL OF ENDOWMENT FUNDS

August 31, 1940

## UNRESTRICTED FUNDS

### ACKER FUND

Bequest of George N. Acker, M. D., of Washington, D. C., received July 2, 1924, as an unconditional gift.....

300.00

### ALUMNI ENDOWMENT FUND

Established by the Class of 1920, as a testimonial of grateful appreciation, to be added to by succeeding graduating classes.....

542.00

### CAMPAIGN FUND 1923-24

Receipts through the Treasurer of the Fund, from various donors, invested as a general endowment .....

186,714.38

### CORCORAN FUND

Raised by authority of the Trustees of Columbian College and Columbian University between the years 1871-86, to be forever held inalienable, and not to be diminished by use for the support of the institution, but the whole amount to be invested, in the discretion of the Trustees and according to their best judgment, and the interest thereon or the income therefrom to be used for the current expenses and support of the institution, William W. Corcoran, of Washington, D. C., giving \$112,000 and the balance being obtained by general subscription.....

220,155.76

### SUBSCRIPTION GIFTS FUND 1845-51

Raised by authority of the Trustees of Columbian College by general subscription between the years 1845-51 as a permanent endowment for the support of the College. (Formerly called the Poindexter Endowment Fund).....

12,525.56

### SYMS FUND

Bequest of Samuel Syms of West Hoboken, New Jersey, in 1891, to Columbian University to be applied by the Trustees toward the endowment of the College proper.....

1,500.00

### TRUSTEES FUND

Gifts from the Board of Trustees of the University during the 1932-33 year, to increase the general endowment of the University.....

1,231.77

### WITHERS FUND

Raised by authority of the Trustees of Columbian College between the years 1851-70 for increasing the endowment funds of the College, John Withers of Alexandria, Virginia, giving \$16,000, the balance being obtained by general subscription. (Formerly called the Forty Thousand Dollar Endowment Fund.).....

26,891.46

### TOTAL—UNRESTRICTED.....

449,860.93



# PRINCIPAL OF ENDOWMENT FUNDS

August 31, 1940

## HOSPITAL FUNDS

### CHAPMAN HOSPITAL FUND

Bequest of Mrs. Susanna A. Chapman of Washington, D. C., in 1911, the income to be used for the purposes of the free wards of the University Hospital. . . . .

1,225.90

### GENERAL HOSPITAL ENDOWMENT FUND

Bequest of Dr. I. M. Cassanowicz, received in 1929, the income to be used for the support of the University Hospital. . . . .

100.00

### KUHLBANK HOSPITAL FUND

Bequest of the late Freda Kuhlbank to the George Washington University Hospital for a bed or beds in the White Ward to be known as the "Freda Kuhlbank Bed." The income of this bequest to be added to the principal of the fund until the principal shall be sufficient to produce an income large enough to maintain a bed in the White Ward of the George Washington University Hospital. . . . .

856.97

### NATIONAL PARK SEMINARY HOSPITAL FUND

Gift of students of National Park Seminary of Forest Glen, Maryland, in 1906, for the endowment of a bed in the University Hospital. . . . .

500.00

### REINHARDT HOSPITAL FUND

Bequest of Mrs. Luisa Wynne Reinhardt of Washington, D. C., in 1922 to the University Hospital, the income to be used for the benefit of the Hospital, as directed by the Board of Trustees. . . . .

500.00

### TREE HOSPITAL FUND

Bequest of Lambert M. Tree of Chicago, Illinois, in 1911, in memory of his mother, Mrs. Laura M. Tree, to Columbian University, the income to be used to support and maintain one or more beds in perpetuity in the University Hospital, to be known as the "Laura M. Tree bed or beds". . . . .

10,000.00

### WOMEN'S BOARD HOSPITAL FUND

Gift of the Women's Board of The George Washington University, in 1925, to establish a fund, the income of which shall be used by the Women's Board for the benefit of the Hospital. . . . .

1,000.00

### WOODBURY HOSPITAL FUND

Bequest of Miss Allen DeQ. Woodbury of Washington, D. C., in 1889, the income to be used for the reception and treatment of female patients in the University Hospital. . . . .

10,000.00

TOTAL—HOSPITAL FUNDS. . . . .

24,182.87

24, 182.87

PROFESSORSHIP FUNDS

ALUMNI PROFESSORSHIP FUND

Gifts of various alumni since 1911, for the  
endowment of an Alumni Professorship in  
Mathematics.....

829.49

CARROLL PROFESSORSHIP FUND

Established by Mary A. Sharpe, April 17,  
1928, to memorialize Professor Mitchell Car-  
roll, the income to be used to provide revenue  
for a chair in Archeology.....

500.00

CONGRESSIONAL PROFESSORSHIP FUND

Gift of the United States in 1832, by Act of  
Congress, of \$25,000 in city lots in Washing-  
ton, D. C., to be sold and the proceeds in-  
vested as capital, the dividends or interest  
to be used and applied in aid of other reve-  
nues of Columbian College, to the establish-  
ment and endowment of such professorships  
therein "as now are, or hereafter shall be,  
established by the Trustees".....

145,219.95

DEPEW COURSE IN PUBLIC SPEAKING FUND

Established April 29, 1936, by Mrs. May  
Depew, the income to be used for the main-  
tenance or underwriting in the University of  
a Course for the Teaching of Speech as Re-  
lated to Public Life.....

153,984.02

ELTON PROFESSORSHIP FUND

Bequest of the Reverend Romeo Elton of  
Exeter, England, in 1872, to be applied to the  
foundation of a professorship of mental and  
moral philosophy in Columbian College, to be  
called the Elton Professorship of Mental and  
Moral Philosophy.....

14,508.19

YULEE ENDOWMENT FUND

Bequest of Nannie Yulee Noble in memory  
of her mother, Nancy Yulee, the income to be  
used for lectures in Home Economics. Fund  
established April 23, 1929.....

5,000.00

TOTAL—PROFESSORSHIP FUNDS.....

320,041.65

PRINCIPAL OF ENDOWMENT FUNDS

August 31, 1940

SCHOOL FUNDS

GOVERNMENT

SCOTTISH RITE ENDOWMENT FUND

A fund of One Million Dollars, created by indenture December 27, 1928, by the Supreme Council of the Ancient and Accepted Scottish Rite of Freemasonry of the Southern Jurisdiction of the United States of America, as a permanent memorial to George Washington, The Mason, and in consideration of its high esteem for the University as an institution of learning. The Principal of the fund is "to be held by the University in trust, in perpetuity, and by the Board of Trustees of the University to be safely invested and the income thereof used in the establishment and maintenance by the University as a part of its institution of learning of a School or Department of Government designed to perpetuate the principles of human freedom, the rights of man, and the sovereignty of the people, as those principles are enunciated in the Constitution of the United States and embodied in the system of state and federal governments composing the United States of America."

1,000,000.00

MEDICAL—(Continued)

COOPER MEDICAL RESEARCH FUND

Request of Mrs. Eleanor J. Cooper of Washington, D. C., in 1905 to Columbian University on certain terms since modified by the Supreme Court of D. C. as follows: The income to be devoted toward the establishment and maintenance, in connection with the Medical Department of The George Washington University, of a Research Laboratory, the work of this laboratory to be devoted to the investigation of the nature, causation, prevention, and cure of malaria and other infectious and contagious diseases.

10,000.00

GARDNER MEDICAL SCHOOL FUND

Bequest of William D. Gardner, received in 1928, the income to be used for the support of the School of Medicine.

4,486.55

LEWIS MEDICAL SCHOOL FUND

Bequest of Samuel E. Lewis, received in 1925, the income to be used for the support of the School of Medicine.

103,528.41



# PHARMACY

## GIBBS PHARMACY FUND

Gift of M. G. Gibbs of Washington, D. C., the income to be used to aid in establishing and maintaining a commercial pharmacy course in connection with the School of Pharmacy.....

10,000.00

## MEDICAL

### BORDEN MEDICAL FUND

Created December 8, 1932, by Dr. and Mrs. William Cline Borden, the net income to be devoted to the maintenance or underwriting of lectureships in medical science to be known as the William Cline Borden Lectures on Surgery or Medical Science....

2,391.11

TOTAL—SCHOOL FUNDS.....

## MISCELLANEOUS FUNDS

### ART AND ARCHEOLOGY FUND

Established by the Board of Trustees on May 18, 1927, the income to be devoted to the "Support of the School of Classical Studies at Athens as long as the Board desires to contribute to this cause.".....

1,000.00

### DISTRICT OF COLUMBIA D.A.R. FUND

Gifts by chapters in the District of Columbia, the income to be loaned to children of members. (Refer to D. C.-D.A.R. Loan Fund, Schedule 22).....

4,588.56

TOTAL—MISCELLANEOUS FUNDS.....

14,973.13

SCHEDULE 23—PAGE 3

## SCHOOL OF MEDICINE ENDOWMENT FUND

Created March 27, 1940, by the gifts of various donors, for the development of the program of the School of Medicine.....

3,300.00

## SHARPE MEDICAL SCHOOL FUND

Gift of Mary A., Elizabeth M., and Sallie Sharpe in 1924 to establish a fund in trust, the income to be used exclusively for the School of Medicine. Principal of fund held in trust for investment by the National Savings and Trust Company, Trustee.....

8,000.00

1,141,706.07

# PRINCIPAL OF ENDOWMENT FUNDS

August 31, 1940

## PRIZE FUNDS

### BURNS MEMORIAL AWARD FUND

Gift of Mrs. Persia Burns May 22, 1937, in memory of her son, Byrne Thurtell Burns, to establish an annual award in Chemistry...

1,000.00

### CUTTER PRIZE FUND

Gift of Marion Kendall Cutter of Washington, D. C., in 1902, to Columbian University, in memory of E. K. Cutter, for a prize to be awarded annually for excellence in the study of English...

1,000.00

### DAVIS PRIZE FUND

Gift of Isaac Davis of Worcester, Massachusetts, in 1847, to Columbian College, for prizes to be awarded annually to such members of the senior class as shall have made the greatest progress in elocution since their connection with the College...

700.00

### EVANS MEMORIAL AWARD FUND

Gift of friends of Joshua Evans III to establish a prize, as a memorial to an "outstanding life," to be awarded annually "to that man in the graduating class of The George Washington University who has demonstrated his special ability in the Social and Political Sciences, and who has given prominence to the interpretation of that ability in good citizenship among his fellows".....

1,100.00

### LARNER PRIZE FUND

Bequest of the late John B. Larner to provide an annual prize in the Law School.....

800.00

### ORDRONAUX PRIZE FUND

Bequest of John Ordronaux of Glen Head, New York, in 1909, for the establishment of annual prizes in the Law and Medical departments.....

5,000.00

### RUGGLES PRIZE FUND

Gift of Professor William Ruggles of Washington, D. C., (at one time Acting President of Columbian College) in 1859, to Columbian College, for a prize to be awarded annually for excellence in Mathematics.....

500.00

### STAUGHTON-ELTON PRIZE FUND

Gift of the Reverend Romeo Elton of Exeter, England, in 1860 and 1865, to Columbian College, for prizes to be awarded annually for excellence in the Latin and Greek Languages, one to be called the Staughton prize in Latin, the other the Elton prize in Greek.....

500.00

FITCH PRIZE FUND

Gift of James E. Fitch, of Washington, D. C., in 1893, to Columbian University, in memory of Willie E. Fitch for a gold prize to be assigned annually under the auspices of the Scientific School.

1,000.00

GODDARD PRIZE FUND

Created in 1923 by gifts of Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard of Georgetown, D. C., in memory of Morgan Richardson Goddard, Edward Carrington Goddard and James Douglas Goddard, for three cash prizes to be awarded annually to the students making the highest averages in Commerce, French language and literature, and Pharmacy, respectively.

3,019.00

HUBBARD PRIZE FUND

Gift of Mrs. Gertrude M. Hubbard of Washington, D. C., in 1907, in memory of her husband, Gardner G. Hubbard, for a prize to be awarded annually for excellence in American History.

1,000.00

TOTAL—PRIZE FUNDS.

21,919.00

STERRETT PRIZE FUND

Gift of the Reverend J. MacBride Sterrett, in 1911, in memory of his son, J. MacBride Sterrett, Jr., for a gold medal to be awarded annually to the student obtaining the highest average in Physics.

300.00

WALSH PRIZE FUND

Gift of Thomas F. Walsh of Washington, D. C., in 1901, to Columbian University, for a cash prize to be awarded annually for the best essay on some topic in Irish History

1,000.00

WEDDELL PRIZE FUND

Gift of Mrs. Virginia Chase Weddell, in 1923, to found a prize to be known as the "Alexander Wilbourne Weddell Prize," to be awarded annually to the student submitting the best essay upon the general subject of the promotion of peace among the nations of the world.

5,000.00



PRINCIPAL OF ENDOWMENT FUNDS

August 31, 1940

SCHOLARSHIP FUNDS

ANDREWS MEMORIAL SCHOLARSHIP FUND

Gift of Mrs. Belle Fisk Andrews, in memory of her husband, Byron Andrews, to provide scholarships "for ambitious and needy students of English, Latin, Journalism, History, Literature, or Political Science." Principal of fund held in trust for investment by the American Security and Trust Company, Trustee.....

5,000.00

BROWN SCHOLARSHIP FUND

Created by the College Women's Club of Washington, D. C., in 1925, as a memorial to Elizabeth V. Brown, the income to be used for scholarships in the School of Education.....

1,200.00

CARR SCHOLARSHIP FUND

Bequest of Emma K. Carr of Moorefield, West Virginia, in 1932, to found for white boys or young men one or more scholarships be known as the Carr Scholarships.....

49,107.93

CARTER, H. H., SCHOLARSHIP FUND

Gift of Mrs. Maria M. Carter of Washington, D. C., in 1906, in memory of her husband, Henry Harding Carter, to Columbia University as a foundation for scholarships in Civil Engineering in Columbian College.....

5,000.00

HARVEY SCHOLARSHIP FUND

Bequest of Mrs. Emma Elizabeth Harvey, in memory of her daughter, Elma Lewis Harvey, to found a scholarship in the Department of Arts and Sciences for young women of the Protestant faith and of the Caucasian race. Principal of fund held in trust for investment by the Washington Loan and Trust Company, Trustee.....

5,000.00

HERRON SCHOLARSHIP FUND

Established in 1925 by The Columbian Women of The George Washington University in memory of Lillian Young Herron, to provide scholarships for women in Columbian College. (Formerly Third Columbian Women Scholarship Fund).....

5,000.00

KENDALL SCHOLARSHIP FUND

Gift of Amos Kendall of Washington, D. C., in 1869, to Columbian College on behalf of Calvary Baptist Church in Washington, D. C., to purchase a classical scholarship. The Trustees of Public Schools in Washington, D. C., to have the perpetual privilege of selecting from said schools one pupil annually to fill said scholarship, and the pupil so selected to be entitled to instruction in said College for the term of six years, free of charge for tuition, use of library, and at paratous, or for any other expense allowed to paying students of the same grade.....

5,959.61

CARTER, M. M., SCHOLARSHIP FUND

Gift of Mrs. Maria M. Carter of Washington, D. C., in 1871, to Columbian College, to found a scholarship for some deserving young man.

1,000.00

CHAMBERLIN SCHOLARSHIP FUND

Established in January, 1932, in memory of Grace Ross Chamberlin, by the Columbian Women of The George Washington University to provide scholarships for women in Columbian College.

2,300.00

COLLEGE WOMEN'S SCHOLARSHIP FUND

Gift of the College Women's Club of Washington, D. C., in 1926, the income to be used by The Columbian Women for scholarships.

500.00

DAVIS SCHOLARSHIP FUND

Gift of Isaac Davis of Worcester, Massachusetts, in 1869, the income to be appropriated to some student pursuing his collegiate course in Columbian College under specified conditions.

1,000.00

FARNHAM SCHOLARSHIP FUND

Gift of Mrs. Robert Farnham of Washington, D. C., in 1871, to Columbian College for a scholarship in the College.

1,000.00

FOUNDERS OF COLUMBIAN WOMEN SCHOLARSHIP FUND

Established by The Columbian Women of The George Washington University, in 1920, to provide scholarships for women in Columbian College.

5,000.00

KING MEMORIAL SCHOLARSHIP FUND

Request of Isabella O. King, by will dated March 15, 1920, the income to be used to provide a scholarship for special investigation in Biology.

39,457.56

KNAPP SCHOLARSHIP FUND

Gift of the Columbian Women, in 1915, in memory of Mrs. Nellie Maynard Knapp, for scholarships for women in the Department of Arts and Sciences.

5,000.00

MOREHOUSE SCHOLARSHIP FUND

Gift of A. Morehouse of Washington, D. C., in 1861, to Columbian College, with the design of adding to its ability to furnish gratuitous instruction to indigent students for the Christian ministry.

1,500.00

POWELL SCHOLARSHIP FUND

Devise of real estate by Rear Admiral Levin M. Powell of Washington, D. C., in 1886, to Columbian University for the free education of young men by way of preparation for entrance in the Naval Academy at Annapolis, or to fit them to become mates and masters in the Merchant Marine Service of the United States.

30,000.00

# PRINCIPAL OF ENDOWMENT FUNDS

August 31, 1939

## SCHOLARSHIP FUNDS—(Continued)

### SANDERS FELLOWSHIP FUND

Bequest of Addie Sanders by will dated March 13, 1928, to The George Washington University in memory of her late brother, Thomas Bradford Sanders, the income to be used by the proper authorities of The George Washington University in the exercise of their sole and absolute discretion for the establishment of annual scholarships and fellowships in the several departments of said University, to assist young men and women in obtaining an education and furthering their causes. Principal of fund held in trust for investment by the National Savings and Trust Company, Trustee.....

193,240.46

### SPENCER SCHOLARSHIP FUND

Devise in trust of real estate in Knox County, Illinois, the income to constitute an educational fund which, under certain conditions, shall be used to aid in defraying the expenses of designated students at the University. Principal of fund held in trust for investment by the Northern Trust Company of Chicago, Trustee.....

18,135.00

### STONE SCHOLARSHIP FUND

Established in 1893 in memory of Miss Mary Lowell Stone by an anonymous gift to Columbian University for scholarships for needy women students of science in the Department of Arts and Sciences.....

2,000.00

### WALKER SCHOLARSHIP FUND

Gift of William Walker, of Putnam County, Georgia, in 1924, for the endowment of a scholarship for an undergraduate intending to enter the Christian ministry.....

2,500.00

### WILSON SCHOLARSHIP FUND

Gift of Miss Elizabeth Wilson in 1926, in memory of her parents Lewes D. and Myrtie H. Wilson, the income to be used by the Columbian Women for a scholarship in the School of Medicine.....

1,000.00

### WITHINGTON SCHOLARSHIP FUND

Gift of the Board of Trustees of the New York Baptist Theological Seminary, on behalf of John Withington, of New York, in 1830, for the purpose of endowing a scholarship in Columbian College, to be named the Withington Scholarship.....

1,953.13

### WOODHULL SCHOLARSHIP FUND

Bequest of Ellen M. E. Woodhull, of Washington, D. C., the income to be used for scholarships in Columbian College.....

600.00

TOTAL—SCHOLARSHIP FUNDS.....

382,453.69



PRINCIPAL OF ENDOWMENT FUNDS—SUMMARY

Unrestricted.....	449,860.93
Hospital.....	24,182.87
Professorship.....	320,041.65
School.....	1,141,706.07
Miscellaneous.....	14,973.13
Prize.....	21,919.00
Scholarship.....	382,453.69
TOTAL—PRINCIPAL OF ENDOWMENT FUNDS—EXHIBIT A.....	<u>2,355,137.34</u>

# RESERVE FOR PROTECTION OF INVESTMENTS OF PLANT FUNDS

August 31, 1940

## RESERVE FOR PROTECTION OF INVESTMENTS OF PLANT FUNDS

Created from gains arising from the sales of investments, and by having set aside annually (through the year 1937-1938) a portion of the income of Consolidated Plant Funds Investments—Exhibit A.....

3,844.41

— 60 —

## PRINCIPAL OF PLANT FUNDS -- UNEXPENDED

### RENEWALS AND REPLACEMENTS

#### DUPLICATING BUREAU EQUIPMENT FUND

Created from cash receipts of the Duplicating Bureau to purchase new equipment .....

2,653.86

### RETIREMENT OF INDEBTEDNESS

RESERVE FOR REDUCTION OF THE LIABILITY OF CURRENT AND PLANT FUNDS TO ENDOWMENT FUNDS PRINCIPAL.....

16,500.42

PLANT ADDITIONS

<b>CLASS OF 1929 WOMEN'S UNIT No. 3 FUND</b>	
Gifts from the women members of the Class of 1929 to be used to aid in the building of Unit No. 3.....	315.33
<b>ENGINEERING CLUB ROOM FUND</b>	
Created to equip and maintain a club room for the use of students in the Engineering Department.....	358.03
<b>ENGINEERS' LIBRARY FUND</b>	
Gifts from Engineering alumni and students to create a fund for the purchase, by the Dean of the School of Engineering and the University Librarian, of Engineering books for the University Library.....	35.00
<b>GENERAL BUILDING FUND</b>	
An open subscription fund to be continued and increased indefinitely. Principal and income to be used for the purchase of sites, buildings, equipment; to remodel and rebuild; and to pay off obligations. Authorized by the Trustees of the University May 31, 1916.....	222.42
<b>GEORGE WASHINGTON MEMORIAL FUND</b>	
Transfer of the assets of the George Washington Memorial Association to the University to be used toward the erection of an auditorium.....	206,390.92
<b>PAIRO FUND</b>	
Created by the late Richard E. Pairo of Washington, D. C., by devise and bequest to The George Washington University, "for the use and benefit of Athletics of the University either by using the principal for the purchase of a Campus or the building and equipping of a Gymnasium, or investing the principal and devoting the income therefrom in promoting the Athletic Sports of the University, as the Trustees and the Faculty of the University may deem wisest and best." (Functioning at present as an Endowment Fund and a Plant Fund).....	189,991.28
<b>STUDENT UNION FURNISHINGS FUND</b>	
Created by various contributions during the second semester of the 1930-31 year to furnish and equip a student union building.....	1,433.67
<b>WOMEN'S ACTIVITIES BUILDING FUND</b>	
Gifts of various donors to erect a women's activities building.....	1,476.25
<b>TOTAL—PLANT ADDITIONS.....</b>	<b>400,222.90</b>
<b>GRAND TOTAL—PRINCIPAL OF PLANT FUNDS UNEXPENDED—EXHIBIT A.....</b>	<b>419,377.18</b>



STATEMENT OF ASSETS, LIABILITIES, AND FUND BALANCE  
For the Year Ended August 31, 1940

[illegible]

Remuneration of Incorporated  
 at Current and Prior Funds to  
 Endowment Funds Principal

574.50 E.

2,653.86

16,580.62

Reserve for Protection of Investments  
 Plant Funds Investments

Class of 1929 Women's Unit No. 3

Engineering Club Room

Engineers Library Fund

General Building

George Washington Memorial

Liner Auditorium Fund

" " " "

" " " "

" " " "

Liner Library Fund

" " " "

" " " "

Unit No. 1

Women's Activities Building

4,050.03

314.32

287.91

221.71

199,370.92

66,207.00 A

40,410.48

208,929.78

15,843.87

813.55

1,173,299.03

147,243.66

Loss on sale of investment.

Income

Gift (Schedule 5)

Income

Gift (Schedule 5)

Income

Net gain on sales of investments

Gift (Schedule 5)

To Reimburse Current Funds

Unrestricted for land acquired

prior to September 1, 1939

Land and Buildings

Land and Buildings

Gain on sales of investments

Gift (Schedule 5)

To Reimburse Current Funds

Unrestricted for land acquired

prior to September 1, 1939

Land and Buildings

Land and Buildings

Lower Library equipment

Gifts (Schedule 5)

Income

205.62 C

3,844.41

315.33

358.03

35.00

222.42

206,390.92

3,260.00 D

62,947.00 F

40,410.48 E

500.00 D

20,000.00 F

15,843.87 E

1,476.25

1,163,004.33

RECAPITULATION

Increases

Gifts (Schedule 5)

Loan Funds

Endowment Funds

Plant Funds

Income added to Principal (Schedule 10)

Interest earned

Loans Receivable

Loans Repaid

Gain on sales of investments

Special increases in funds

Transfer of one fund to another

125.00

4,192.20

67,311.88

71,551.08 A

6,112.29 B

46.76 C

276.00 D

12,857.34 E

43,938.77 F

12,658.02 G

300.00 H

147,243.66

Decreases

Loans to students

Transfer of one fund to another

Loss on sales of investments

To Reimburse Current Funds Unrestricted

for Land and Buildings acquired prior to

September 1, 1939, and transferred to

Plant Funds Invested - Schedule 1

To Plant Funds Invested - Schedule 2 - for

Land and Buildings

Equipment

12,957.34 A

300.00 B

745.17 C

3,760.00 D

123,357.48

16,418.37

139,775.85 E

157,538.36

SCHEDULE 25

STATEMENT OF ASSETS OF THE UNIVERSITY OF CALIFORNIA, CONTAINED IN VOLUME 1, PART 1, PAGE 1 OF 1

ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY THE UNIVERSITY  
August 31, 1940  
CARR SCHOLARSHIP FUND



ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY THE UNIVERSITY  
August 31, 1940  
CARR SCHOLARSHIP FUND

VALUE							
	DESCRIPTION	%	DUE	PAR	MARKET	BOOK	
BONDS	Achison, Topeka and Santa Fe Ry. Co. General Mortgage 100-Year Gold.....	4	1955	2,000	2,100.00	1,970.00	
	Continental Oil Company.....	2 3/4	1948	1,000	1,070.00	1,062.00	
	Federal Land Banks.....	4	1944-46	7,100	7,881.00	7,079.75	
	Pennsylvania Railroad Co.....	4 1/2	1960	1,000	1,180.00	1,042.00	
	Southern Pacific Railroad Co.....	4	1955	2,000	1,120.00	1,750.00	
	United States of America.....	3 1/4	1944-46	600	654.00	640.00	
	United States of America.....	3 3/8	1943-47	700	756.00	704.00	
	United States of America.....	4 1/4	1947-52	8,600	10,320.00	9,282.00	
	STOCKS—PREFERRED						
American Cyanamid Co.....		5		200	2,400.00	2,385.00	
STOCKS—COMMON							
Chrysler Corporation.....				100	7,500.00	11,500.25	
Continental Oil Company of Delaware.....				60	1,080.00	2,861.55	
General Motors Corporation.....				100	4,800.00	4,904.50	
Socony—Vacuum Oil Co.....				200	1,800.00	3,875.00	
CASH.....					15,180.00	23,141.30	
REMAINDERMAN INTEREST					91.88	91.88	
As residuary legatee of the late Emma K. Carr as created by article five of her last will and testament, the University is to receive \$8,000.							
TOTAL—CARR SCHOLARSHIP FUND ASSETS—SCHEDULE 28.....					42,752.88		
						49,107.93	
SCHEDULE 26—PAGE 1							



Stocks—Common  
 American Telephone and Telegraph Co.  
 Capital Transit Co.  
 Commonwealth Edison Co.  
 Continental Oil Co. of Delaware  
 General Electric Co.  
 General Motors Corporation  
 International Harvester Co.  
 International Nickel Co. of Canada  
 Kennecott Copper Corporation  
 Mergenthaler Linotype Co.  
 National City Bank of New York  
 Phelps Dodge Corporation  
 Standard Oil Co. of California

53	8,586.00	8,586.00
100	324.00	2,835.00
200	6,200.00	8,094.72
150	2,700.00	6,140.00
100	3,400.00	6,593.40
400	19,200.00	5,408.00
200	9,200.00	21,619.25
200	5,600.00	17,181.75
300	8,400.00	12,035.25
6	84.00	18,227.50
39	975.00	588.00
200	5,800.00	3,517.04
200	3,600.00	7,857.25
		8,469.35

TRUST NOTES RECEIVABLE  
 American Trust—Secured by lot 66, square 1968  
 George Washington University Plant Fund—Secured by lot 43, square 250  
 Sew, Chester A.—Secured by lot 77, square 162  
 Tompkins, Charles H. and Lida R.—Secured by lots 4, 22, 23, 53—square 199

5	Monthly	2,736.98	2,736.98
4 1/2	12-1-20	323,430.23	323,430.23
5	10-31-40	8,000.00	8,000.00
	5-10-44	22,727.27	22,727.27
		356,894.48	356,894.48

REAL ESTATE  
 Congressional Endowment

Lot 818 Square 13	3,813.50
" 12 "	3,715.00
" 13 "	3,270.00
" 9 "	2,894.20

CASH	25,631.00	13,392.70
	6,278.37	6,278.37
	761,853.85	
		817,316.84

TOTAL—CONSOLIDATED ENDOWMENT FUNDS ASSETS—SCHEDULE 28



# ASSETS OF ENDOWMENT FUNDS—CONTROLLED BY THE UNIVERSITY

August 31, 1940

## SCOTTISH RITE FUND\*

Bonds	Description	Ct	Due	Value	
				Par	Market
American Telephone & Telegraph Co.	Sinking Fund Gold Debenture	51½	1943	1,000	1,090.00
Atlantic Refining Co.	15-Year Debenture	3	1953	15,000	16,050.00
Baugh and Amosnook R. R. Co.	First Mortgage Gold	5	1943	10,000	9,300.00
Buffalo Creek R. R. Co.	First Mortgage	5	1941	15,000	13,500.00
Buffalo General Electric Co.	General and Refunding Gold B	41½	1981	10,000	11,200.00
Canadian Pacific Railway Co.	Collateral Trust Gold	5	1954	15,000	10,800.00
Central Hudson Gas & Elec. Corp.	First and Refunding Mortgage	31½	1965	15,000	16,200.00
Central Illinois Light Co.	First and Consolidated Mortgage	31½	1969	25,000	27,500.00
Central Pacific Railway Co.	Through Short Line First Gold	4	1954	13,000	8,450.00
Cleveland Union Terminal Co.	First Mfg. Sinking Fund C	41½	1977	25,000	16,750.00
Columbia Gas & Electric Corp.	Gold Debenture	5	1961	10,000	10,500.00
Consumers Power Co.	First Lien and Unifying	3½	1965	20,000	21,800.00
Edison Electric Illum. Co. of Boston	First Mortgage Sinking Fund A	3½	1965	19,000	21,090.00
Fruit Growers Express Co.	Equipment Trust of 1928 H	4½	1943	10,000	10,700.00
Houston Lighting & Power Co.	First Mortgage	31½	1967	10,000	10,900.00
Lexington and Eastern Railway Co.	First Mortgage Gold	5	1965	12,000	13,800.00
Liggett and Myers Tobacco Co.	Gold Debenture	5	1951	3,000	3,870.00
Mississippi River Power Co.	First Mfg. Sinking Fund Gold	5	1951	11,000	11,990.00
Nebraska Power Co.	First Mortgage Gold	41½	1981	12,000	13,320.00
New England Tel. and Tel. Co.	First Mortgage Gold A	5	1957	15,000	19,050.00

Liggett and Myers Tobacco Co. 12,000 13,800.00 13,444.00  
 Mississippi River Power Co. 3,000 3,870.00 3,131.00  
 GOLD Debenture 11,000 11,990.00 11,406.00  
 1954 5  
 1951 5

Nebraska Power Co.	First Mortgage Gold	4 1/2	1981	12,000	11,320.00	13,109.00
New England Tel. and Tel. Co.	First Mortgage Gold A	5	1952	15,000	19,050.00	16,088.00
Northern Pacific Railway Co.	Prior Lien Ry. & Land Grant	4	1997	25,000	17,000.00	27,266.00
Oregon-Washington R. R. and Nav. Co.	First and Refunding Gold	4	1961	8,000	8,400.00	7,944.40
Pennsylvania Power and Light Co.	First Mortgage	3 1/2	1969	15,000	16,350.00	15,797.00
Pennsylvania Railroad Co.	15 Year Convertible Debenture	3 1/2	1952	20,000	17,000.00	21,228.00
Phillips Petroleum Co.	Convertible Debenture	3	1948	1,000	3,210.00	3,380.00
Portland General Electric Co.	First and Refunding Mfge. Gold	4 1/2	1960	10,000	7,100.00	9,050.00
San Diego Cons. Gas & Elec. Co.	First Mortgage	4	1965	15,000	16,050.00	15,839.00
Shawinigan Water & Power Co.	1st & Col. Sink'g Fund Gold A	4 1/2	1967	5,000	4,150.00	3,562.50
Shawinigan Water & Power Co.	1st & Col. Sink'g Fund Gold D	4 1/2	1970	5,000	4,150.00	3,562.50
Southern California Gas Co.	First Mortgage & Refunding	4	1965	8,000	8,640.00	8,099.00
Swift and Co.	First Mortgage Sinking Fund	3 3/4	1950	8,000	8,480.00	8,200.00
Union Pacific Railroad Co.	First Mfge. R. R. & L. G. Gold	4	1947	5,000	5,650.00	5,083.00
United States of America	Treasury Bonds	2 3/4	1956-59	50,000	51,500.00	51,274.00
United States of America	Treasury Bonds	2 3/4	1955-60	15,000	16,848.00	16,945.00
United States of America	Treasury Bonds	3 1/4	1943-45	273,000	297,570.00	275,186.00
Virginia Electric & Power Co.	First and Refunding Mortgage	3 1/2	1968	8,000	8,800.00	8,260.00
Virginian Railway Co.	First and Refunding Mortgage	3 3/4	1966	25,000	27,000.00	25,702.00
Washington Gas Light Co.	General Mortgage 50 Year Gold	5	1960	4,000	5,040.00	4,944.00
Washington Ry. & Electric Co.	Cons. Mortgage 50 Year Gold	4	1951	10,000	10,800.00	10,730.00
West Shore Railroad Co.	Guaranteed First Mortgage Gold	4	2 3/4	14,000	6,860.00	12,355.00
				810,428.00	807,651.50	

# ASSETS OF ENDOWMENT FUNDS — CONTROLLED BY THE UNIVERSITY

August 31, 1940

## SCOTTISH RITE FUND (Continued)

STOCKS—Preferred	Description	Ct	Shares	Value	
				Market	Book
Federal Depositary Notes, Inc.	Convertible	41½	100	9,100.00	9,895.00
Ohio Oil Co.	Common	0	70	7,070.00	7,541.50
Texas Water Associated Oil Co.	Common	41½	200	18,000.00	19,450.00
United Gas Corporation	Common	7	100	10,700.00	11,200.00
				44,870.00	48,087.50

## STOCKS—Common

American Telephone & Telegraph Co.	120	19,440.00	18,668.15
Commonwealth Edison Co.	500	24,900.00	21,085.00
General Electric Co.	500	9,000.00	15,711.25
International Nickel Co. of Canada, Ltd.	400	13,600.00	17,210.00
Western Union Telegraph Co.	500	8,400.00	15,012.50
Standard Oil Co. of Indiana	300	12,400.00	15,614.50
Standard Oil Co. of California	200	10,200.00	11,281.25
United Gas Corporation	100	1,800.00	2,000.00
United Gas Corporation	300	22,200.00	25,122.50
		122,040.00	143,255.15

## CASH

	33,744.83	33,744.83
	1,011,082.83	

* Total	1,000,000.00	
Reserve for Protection of Scottish Rite Investments Assets	12,734.95	SCHEDULE 25
	1,012,734.95	1,032,738.98
	2,065,782.86	

GRAND TOTAL OF ASSETS OF ENDOWMENT FUNDS CONTROLLED BY THE UNIVERSITY	SCHEDULE 28	2,229,276.18
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## ASSETS OF ENDOWMENT FUNDS - CONTROLLED BY OTHER TRUSTEES

August 31, 1940  
ANDREW'S SCHOLARSHIP FUND

Bonds	Description	Qty	DCF	PAR	MARKET	BOOK
New York Edison Co.	First and Refunding Mfg. E	3 1/4	1940	2,000	2,180.00	1,985.00
Trust Note RECEIVABLE						
Brandes, Elmer W.	Secured by lot 25, square 1938	5	7 16-41		3,000.00	3,000.00
CASH					15.00	15.00
					5,195.00	

TOTAL ANDREW'S SCHOLARSHIP FUND Assets (American Security and Trust Co., Trustee) - Schedule 28

5,000.00

## HARVEY SCHOLARSHIP FUND

Bonds						
Federal Farm Mortgage Corporation	Series A	3	1944-49	2,400	2,592.00	2,421.00
Home Owners Loan Corporation		3	1944-52	2,500	2,275.00	2,314.75
CASH					5,267.00	4,939.75
					60.25	60.25
					5,327.25	

TOTAL HARVEY SCHOLARSHIP FUND Assets (Washington Loan and Trust Co., Trustee) - Schedule 28

5,000.00

## SHARPE MEDICAL SCHOOL FUND

Bonds						
Federal Land Bank	Cumulative Farm Loan	11 1/4	1943-45	3,000	3,240.00	3,090.00
United States of America	Treasury Bonds	17 1/2	1935-40	4,800	5,144.00	4,810.10
CASH					8,434.00	7,910.10
					89.90	89.90
					8,513.90	

TOTAL SHARPE MEDICAL SCHOOL FUND Assets (National Savings and Trust Co., Trustee) - Schedule 28

8,000.00

## SPENCER SCHOLARSHIP FUND

Real Estate	Specie Farm, Knox County, Illinois					
TOTAL SPENCER SCHOLARSHIP FUND Assets (The Northern Trust Co., Chicago, Trustee) - Schedule 28				18,000.00	18,135.00	
					18,135.00	



## TRUST NOTES RECEIVABLE

Allenworth, Robb F.—Secured by lot 168, square 628.	6	11-22-43	9,000.00	9,000.00	9,000.00
Brownley Trust—Secured by lots 23 and 821, square 254.	3½	5-10-45	25,000.00	25,000.00	25,000.00
Martiniue Hotel Co.—Secured by lot 175, square 70.	5	10-2-44	10,000.00	10,000.00	10,000.00
Melaine, John A. and Elsie W.—Secured by lot 12, block 17, section 1, Montgomery County, Md. Due \$75 or more per month including interest	4½	Monthly	9,332.96	9,332.96	9,332.96
Miller, Harry A.—Secured by interest in lots 2-28, 29-30, 31-32, square 163	6	11-5-32	5,000.00	5,000.00	5,000.00
Millstone, Philip—Secured by lots 806-807-808, square 378	5	9-12-41	26,250.00	26,250.00	26,250.00
Worch, Ida M., Paulina H., Carl and Hugo—Secured by lot 800, square 2043	4½	2-12-45	9,500.00	9,500.00	9,500.00

The deeds of trust securing the following trust notes receivable have been released; actual value of the notes cannot be ascertained.

Doleman, Robert E.—Secured by parts of lots 13-14, square 919	6	5-16-30	15,205.00	1.00	1.00
Payne, Bryce G.—Secured by parts of lots 14-15, square 2528	6½	6-30-30	6,628.70	1.00	1.00
Peters, Alton W.—Secured by lots S-T-U-V-W, square 755	6	8-4-30	6,630.00	1.00	1.00
Schladt, Howard A.—Secured by lot 4, square 2138	6	7-30-30	2,840.00	1.00	1.00
Stern, David L.—Secured by lot 24, square 1972	6	1-30-31	8,560.00	1.00	1.00
Woods, Hugh—Secured by lot 119, square 375	6	4-25-30	2,850.00	1.00	1.00
			94,088.96	94,088.96	77

## REAL ESTATE

Washington, D. C.—1731 11th Street NW, lot 808, square 335	APPRAISAL
Washington, D. C.—2144 P Street NW, lot 813, square 68	2,450.00
	7,902.00

## CASH

1,648.96

TOTAL—SANDERS FELLOWSHIP FUND ASSETS (NATIONAL SAVINGS & TRUST CO., TRUSTEE)—SCHEDULE 28

192,517.92

193,240.46

GRAND TOTAL—ASSETS OF ENCUMBRANT FUNDS CONTROLLED BY OTHER TRUSTEES—SCHEDULE 28

199,594.07

229,375.46

SCHEDULE 27—PAGE 2



# SUMMARY OF ASSETS OF ENDOWMENT FUNDS

August 31, 1940

## CONTROLLED BY THE UNIVERSITY (SCHEDULE 26)

Funds	Total Assets	Cash	INVESTMENTS						Trust Notes	Real Estate
			Total	Bonds	Stocks		Common			
					Preferred					
Carr	49,107.73	91.88	49,016.05	23,489.75	2,385.00	23,141.30				
Consolidated	817,314.44	6,278.37	811,036.47	257,117.00	56,709.70	124,924.59				
Dodge	153,644.02	1,107.89	152,536.13	83,016.25	45,469.50	24,390.38		356,894.48	13,392.70	
Leach	1,100.00		1,100.00	1,100.00						
Leach	145,028.41	28.41	145,000.00						145,000.00	
Pease	30,000.00		30,000.00						30,000.00	
North Rite	1,032,778.98	33,744.83	999,034.15	807,651.50	48,087.50	143,255.15				
TOTAL—EXHIBIT A	2,229,276.18	41,251.38	2,188,024.80	1,172,374.50	152,651.70	317,711.42		356,894.48	188,392.70	

## CONTROLLED BY OTHER TRUSTEES (SCHEDULE 27)

Andrews	5,000.00	15.00	4,985.00	1,985.00				3,000.00	
Harvey	5,000.00	60.25	4,939.75	4,939.75					
Sanders	193,240.46	1,648.96	191,591.50	30,157.54	24,750.00		42,595.00	94,088.96	
Shaw	8,000.00	89.50	7,910.50	7,910.10					
Spencer	18,135.00		18,135.00						18,135.00
TOTAL—EXHIBIT A	229,375.46	1,814.11	227,561.35	44,992.39	24,750.00		42,595.00	97,088.96	18,135.00

ASSETS OF PLANT FUNDS—UNEXPENDED  
CONSOLIDATED PLANT FUNDS

BONDS	Description	Dollars	Cents	Date	Value	
					PAR	MARKET
Continental Oil Co.	Convertible Debenture	25		1948	7,000	7,450.00
Phillips Petroleum Co.	Convertible Debenture	5		1948	7,000	7,450.00
United States of America	Savings Bond—Interest at Maturity	3 1/4		1-1-50	10,000	7,500.00
United States of America	Treasury Bonds	3 1/4		1943-45	3,000	3,270.00
Cash					25,750.00	25,915.00
					924.39	924.39
					26,674.39	

TOTAL—CONSOLIDATED PLANT FUNDS ASSETS—SCHEDULE 29—PAGE 2

26,839.39

GEORGE WASHINGTON MEMORIAL FUND

BONDS

Anderson, Tappan and Santa Fe Ry. Co.	General Mortgage 100-Year Gold	4		1995	10,000	10,500.00
Baltimore and Ohio Ry. and Co.	First Mortgage 50-Year Gold	4		1945	10,000	6,400.00
City and Suburban Ry. Co. of D. C.	First Mortgage Gold	5		1948	5,000	5,100.00
Consolidated Gas Co. Corporation		5 1/2		1941	25,000	25,000.00
First National Bank		3		1941	25,000	25,000.00
Home Owners Loan Corporation	Consolidated Farm Loan	3		1945-55	25,000	25,000.00
New York Central Railroad Co.	Consolidated Mortgage Gold A	5 1/2		1941	10,000	8,900.00
Norfolk Pacific Railway Co.	First Lien Ry. & L.G. Gold	4		1995	20,000	13,600.00
Pacific Light and Power Co.	First Mortgage	4		1997	1,000	1,080.00
Reconstruction Finance Corporation		5		1942	25,000	25,350.00
Reconstruction Finance Corporation		7 1/2		7-20-41	25,000	25,350.00
Southern Pacific Railroad Co.	First and Refunding Mortgage Gold	7 1/2		11-1-41	10,000	5,600.00
United States of America	Savings Bond—Interest at Maturity	4		1955	10,000	7,500.00
United States of America	Treasury Bonds	23 1/4		1-1-50	12,000	13,080.00
United States of America		3 1/4		1943-45	5,500	5,777.00
United States of America		3 1/4		1944-46	100	109.00
Cash					202,146.00	197,780.40
					8,601.52	8,601.52
					210,747.52	

TOTAL—GEORGE WASHINGTON MEMORIAL FUND ASSETS—SCHEDULE 29—PAGE 2

206,390.92

SCHEDULE 29—PAGE 1

# ASSETS OF PLANT FUNDS — UNEXPENDED August 31, 1940 PAIRO FUND

	DESCRIPTION	Ct	DUE 1975	VALUE	
				PAR	MARKET
<b>BONDS</b>					
Chicago, Mil., St. Paul & Pac. R. R. Co., 50-Year Mortgage Gold A.....		5		2,500	150.00
<b>BONDS — NOT APPRAISED</b>					
Batopilas Mining Co.,.....	Certificate of Deposit.....	6		600	
<b>STOCKS—PREFERRED</b>					
Columbia Gas and Electric Corporation Cumulative A.....		6		60	4,860.00
Kansas City Power and Light Co., B.....		6		50	6,000.00
Merchants Transfer & Storage Co., Inc., A.....		7		100	1,800.00
					12,660.00
					19,712.50
<b>STOCKS—COMMON</b>					
American Security & Trust Co.,.....				20	4,700.00
Capital Transit Co.,.....				200	2,400.00
Chicago, Mil., St. Paul & Pac. R.R. Co.,.....				100	13.00
Mergenthaler Linotype Co.,.....				150	2,100.00
National Bank of Washington.....				100	12,500.00
National City Bank of New York.....				61	1,525.00
Pennroad Corporation.....				100	200.00
Riggs National Bank.....				114	29,640.00
Texas Gulf Sulphur Co.,.....				100	3,200.00
Union Trust Co., (D. C.),.....				100	6,800.00
					63,078.00
					167,686.75

## STOCKS — NOT APPRAISED

Alvarez Mining Co.	Capital Stock, par value \$1	500
Batopilas Mining Corporation	Preferred Stock, par value \$10	100
Chicago, Mil., St. Paul & Pac. R.R. Co.	Capital Stock, par value \$10	1,188
Merchants Transfer & Storage Co., Inc.	Capital Stock, par value \$10	100
National City Bank of New York	Capital Stock, par value \$10	100
Pennroad Corporation	Capital Stock, par value \$10	100
Riggs National Bank	Capital Stock, par value \$10	100
Texas Gulf Sulphur Co.	Capital Stock, par value \$10	100
Union Trust Co., (D. C.)	Capital Stock, par value \$10	100

Lincoln, Oregon, Not Appraised, 100 square feet  
 Schmittman, Seth, Secured by lot 159 square 1000  
 Sparrow, Arthur, Secured by lot 37 square 511  
 Zirkle, Joseph C., Secured by lot 2 square 96



1000  
 2000  
 3000  
 4000  
 5000  
 6000  
 7000  
 8000  
 9000  
 10000  
 11000  
 12000  
 13000  
 14000  
 15000  
 16000  
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2443 18 Street NW, lot 840, square 2540. Formerly the Catherine H. Bauer Note. . . . . 9,140 00  
 3213 13 Street NW, lot 824, square 2844. Formerly the Lizzie G. Brittain Note. . . . . 8,301 00  
 1512 P Street NW, lot 99, square 195. Formerly the Turner C. Thompson Notes. . . . . 6,800 00  
 Tract in Germantown, Md. Formerly the Turner C. Thompson Notes. . . . . 6,800 00

## REMAINDERMAN INTEREST

As residuary legatee of the late Richard E. Pairo as created by article eleven of his last will and testament, the University is to receive \$28,000

CASH.

	192.03	192.03
TOTAL PAIRO FUND ASSETS (see below)	76,080.03	189,991.28

Funds	Total Assets	Cash	TEMPORARY INVESTMENTS		
			Total	Bonds	Stocks
Consolidated Plant Funds	26,839.39	924.39	25,915.00	25,915.00	
George Washington Memorial Fund	206,390.92	8,601.52	197,789.40	197,789.40	
Pairo Fund	187,991.28	192.03	189,799.25	2,400.00	167,686.75
TOTAL—EXHIBIT A	423,221.59	9,717.94	413,503.65	226,104.40	167,686.75

## STATEMENT OF INCOME OF ENJOINTMENT AND PLANT FUNDS

Printed Yearly August 1, 1941

[illegible]

Schools  
Government  
S. S. H. K. K.  
Medical

Schedule	1,000 12	10,470 80	17,000 00	84 40	2,120 51 C	1,199 70
<b>Schedule 1</b>						
Government	2,618 92	84 40	164 16		1,578 41 D	1,194 81
Medical		165 80	45 05			
Burden...		4,111 70	226 06			
Conductor		226 16				
Leaves		365 80	465 80			
Services of Medicine						
Shirley						
Physician						
Cobb...						
<b>Schedule 2</b>						
<b>Non Educational</b>						
Teacher	12 41	30 80				10 41
Director	41 00	41 00				11 00
Inspector	11 00	11 00				11 00
Principal	11 00	11 00				11 00
Assistant	11 00	11 00				11 00
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# STATEMENT OF INCOME OF ENDOWMENT AND PLANT FUNDS (Continued)

For the Year Ended August 31, 1949

FUNDS	BALANCE 8/1/49	INCOME YEAR	DISPOSITION		BALANCE 8/1/49 Funds A
			Current Operations	Added to Schedule 25	Transfers and Expenses
PLANT FUNDS, Schedule 24					
Expenditures for Researches		8.47		8.47	
Expenditures for Researches		12.68		12.68	
Expenditures for Researches		1.01		1.01	
Expenditures for Researches		2.21		2.21	
Expenditures for Researches		4.07		4.07	
Expenditures for Researches		1.11		1.11	
PLANT FUNDS, Schedule 24	31,500.76	28,212.22	74,121.34	9,112.29	7,822.09
					31,418.44

## SUMMARY OF INCOME FOR YEAR

Unrestricted Endowments.....	8,044.21
Restricted Endowments.....	67,124.40
Plant Funds.....	5,029.32
Net Income.....	80,197.93
Expenses.....	7,822.09
Gross Income.....	88,020.02

The Plant Fund is functioning both as an Endowment Fund and a Plant Fund. Income is used for Athletics.

\$83,302.26 expended for Scholarships is included in "Tuition and Laboratory Fees," on Schedule 25.

## SUMMARY OF TRANSFERS AND EXPENSES

Transfers to Women's Board	255.21	34.22 A
Transfers to Women's Board	10.00	265.21 B
Transfers to Women's Board	1,517.66	2,583.16 C
Transfers to Women's Board	2,060.75	3,578.41 D
Transfers to Women's Board	.....	6.36 E
Transfers to Women's Board	.....	1,354.73 F
Transfers to Women's Board	.....	7,822.09







SUMMARIES OF DOCTORAL THESES

1938-40



THE  
GEORGE  
WASHINGTON  
UNIVERSITY  
BULLETIN

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SUMMARIES OF DOCTORAL THESES  
1938-40

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WASHINGTON, D. C.  
PUBLISHED IN MCMXL  
BY THE UNIVERSITY





### PREFATORY NOTE

This number of the University BULLETIN contains summaries of the theses which have been accepted during 1938-40, inclusive, in partial satisfaction of the requirements for the degrees of Doctor of Philosophy and Doctor of Education at The George Washington University. The original theses are filed in the University Library, where they may be consulted by students interested in examining the complete texts.

### AVAILABILITY OF THESES

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SUMMARIES OF THESES SUBMITTED FOR  
THE DEGREE OF DOCTOR OF PHILOSOPHY  
1938-40





# THE ROTATIONAL RAMAN EFFECT FOR THE ASYMMETRIC-TOP MOLECULE

by HENRY HERBERT HOWE\*

A theoretical study of the rotational Raman Effect of the asymmetric-top molecule is useful for: (1) Checking infra-red data on moments of inertia; (2) Determining the polarizabilities, which can be checked by data from quite different sources; (3) As a check upon quantum mechanics in a problem that is not too difficult to solve theoretically without excessive approximations, yet is difficult enough so that the result is materially different from the results of classical theory and of the older quantum theory. The spectra in question have not yet been resolved into rotational lines experimentally, but it is not unreasonable to suppose that this can eventually be done.

The molecule, considered to rotate as a rigid body, is treated by Klein's matrix method. The well-known matrix components of the angular momentum, for the system of the symmetrical top with one component of angular momentum diagonal, are put into a vector form which is somewhat more convenient for use. In order to solve the resulting secular equation for the asymmetrical top, the moments of inertia are replaced by parameters,  $u$ ,  $v$ , and  $w$ . If  $b_1$ ,  $b_2$ , and  $b_3$  be the reciprocals of the three principal moments of inertia, the parameters are

$$\begin{aligned} u &= h^2 (b_1 + b_2 + b_3) / 24 \pi^2 \\ v &= (b_1 + b_2 - 2b_3) / 2(b_1 + b_2 + b_3) \\ w &= 3(b_1 - b_2) / 2(b_1 + b_2 - 2b_3) \end{aligned}$$

The energy is replaced by a parameter  $z$  defined by  
being the quantum number for the angular momentum.  
The diagonal elements of the secular equation become

$$H_{j, m, s} - \text{Energy} = [1 - z - 3s^2 / j(j+1)] uvj(j+1)$$

being the quantum number for the component of angular momentum around one axis fixed in the molecule, and  $m$  around one axis fixed in space. The non-diagonal elements become

$$H_{j, m, s} = [w \sqrt{(j+s)(j+s+1)(j-s)(j-s+1)}] uv$$

Thus the advantage of the introduction of the parameters is that only one of them appears in the secular equation and the transformation coefficients. It is shown that by proper assignment of the axes, the asymmetry parameter  $w$  can be confined to the range 0 to  $1/2$ , which is more convenient in certain calculations.

The secular equation for each value of  $j$  is readily factored into four factors purely on the basis of the characteristics of determinants, this

\* A.B. 1928, A.M. 1931, University of Nebraska. Ph.D. conferred February 22, 1939.  
(3)

method being more direct although longer than the usual methods. A number of characteristics of the variation of  $z$  with  $w$  are worked out, most of which are similar to propositions previously developed for other systems of parameters, although the method is frequently quite different. The energy levels and wave functions are assigned to the four symmetry classes solely on the basis of the way the energy levels transform for interchange of axes.

It is shown that on the basis of the above characteristics an approximate graphical solution of the secular equation can be made quickly, without even determining the non-diagonal elements. This solution will often be as accurate as is needed, and, in other cases, it will furnish a convenient starting point for numerical solution by iteration. Graphs of this type up to  $j = 8$  are included.

A method is developed for numerical solution of a polynomial  $f(z) = 0$ . If  $a$  is an approximate solution, we have exactly

$$z = a - \frac{f(a)}{\prod (a - z_i)}$$

where  $z_i$  represents another root of the equation and the product is taken over all the roots except the one we are seeking. Since the  $z_i$  are known only approximately, this formula is useful for solution by successive approximations. The method is applicable in a case like this, in which all roots are to be obtained.

It is shown that the problem of solution of the secular equation may be regarded as the determination of the semi-axes of the ellipsoid in function space belonging to the tensor corresponding to the Hamiltonian operator. The transformation coefficients, on the other hand, belong to the problem of determining the orientation of the axes of that ellipsoid. For our problem, it is more convenient to rotate the axes in two stages. First, rotate all axes that are degenerate for the symmetrical top by  $45^\circ$ , which gives the system of proper functions which those of the asymmetrical top approach as  $w$  approaches zero. The second rotation depends upon the solution of the secular equation. Methods are given to facilitate the computations in case there are only two functions concerned in the rotation.

The dipole moment induced by incident radiation with electric vector  $C$  is  $D = C \cdot K \cdot A \cdot K'$ , where  $K$  is the tensor relating the components of a vector in a system fixed in space with its components in a system fixed in the molecule, and  $A$  is the polarizability tensor "fixed in the molecule." Selection rules based upon symmetry are derived, which are essentially the same as those of Placzek and Teller.

The matrix for  $D$  is found by multiplying together those for the vector and tensors involved, and taking their inner products. The matrices for  $C$  and  $A$  are constants times the unit matrix. The matrix elements for  $K$  are obtained by translating those given by Casimir into a much



more legible form. Each matrix element is the general product of three factors: A scalar depending on  $j$  alone, called the  $j$ -factor; a vector depending on  $j$  and  $m$ , called the  $m$ -factor; and a vector depending on  $j$  and  $s$ , called the  $s$ -factor.

The matrix multiplication is quite tedious, but is made considerably easier by various relations among the coefficients, especially if the general product of two vectors is replaced at a suitable point by the sum of a totally-symmetric tensor, an anisotropic tensor, and an antisymmetric tensor. A matrix element of the product  $KK'$  has three factors analogous to those described above for a matrix element of  $K$ —except that in this case the  $m$ -factor and the  $s$ -factor are second-order tensors.

Since the depolarization factor is known, we are concerned only with the total intensity, regardless of plane of polarization. Since the energy is independent of  $m$ , we must sum intensities over all values of  $m$ . It is shown that this summation is independent of asymmetry, so that it may be performed once for all.

The matrix elements for the symmetrical top, after the first rotation in function space, appear in table on pages 6 and 7.

In connection with this table, it is to be noted that the quantum number  $n$  was assigned in such a way that  $n^0 = s^0$  at  $w = 0$ . The four factors of the secular equation give, respectively, levels for which  $n$  is positive even (including 0), positive odd, negative even, and negative odd. The order of the levels is 0, +1, -1, -2, +2, +3, -3, etc.

The matrix elements for an asymmetrical top are obtained by multiplying those for the symmetrical top by the proper transformation matrices.

Some aspects of a slightly asymmetrical top are considered. As we recede one step in the secular equation from the element giving the value of the energy under consideration, the order of the lowest power of  $w$  in the transformation coefficient increases by one. Based on this, a formula is given showing the lowest power of  $w$  appearing in the intensity of each line of the Raman Effect.

It is shown that a Maclaurin series in powers of  $w$  is suitable for energy levels with low  $z$  but not for those of high  $z$ , because in the latter case the absolute values of all derivatives are very large at  $w = 0$ .

Some of the theory is applied to the case of water vapor. The energy levels up to  $j = 4$  are given, and the relative intensities of many of the more intense lines are given, based upon three different hypotheses of the relation of the polarizability components. It is shown that the character of the spectrum is quite different under the three hypotheses. It is pointed out that the rotational effect might cause the center of a vibrational line to be perceptibly displaced, thus giving an erroneous vibrational frequency if the rotational structure cannot be resolved.

Finally, tables are given to facilitate the use of the theory and the formulas.

## MATRIX COMPONENTS OF INDUCED DIPOLE MOMENT

(Symmetrical top)

The intensity of a line is ("universal constant")  $\times$  (Boltzmann factor)  $\times$  (Modified j-factor)  $\times$  (n-factor)  $\times$  (Complex conjugate of n-factor). The modified j-factor was obtained by summing the squares of all factors independent of  $n$  over all initial and final  $m$  and over all initial and final directions of polarization of the light.  $A_{11}$  are the polarizability components.  $R = \frac{1}{2}A_{11} + \frac{1}{2}A_{22} - A_{33}$ .  $2WR = A_{11} - A_{33}$ .

Quantum numbers of initial state:  $j, n'$ ; of final state  $j'', n''$ .  
Let  $j = j'$  and  $n = |n'|$ .

	Modified j-factor	$ n' $	Numerical coefficient for n-factor	Numerical coefficient is to be multiplied by	
				If $n'$ and $n''$ have same signs	If $n'$ and $n''$ have unlike signs
Case I. $j'' = j - 2$	$1/j(j-1)(2j-1)$	$n+2$	$\frac{1}{2}\sqrt{(j-n)(j-n-1)(j-n-2)(j-n-3)}$	WR	$-iA_{33}$
		$n+1$	$\sqrt{(j-n)(j+n)(j-n-1)(j-n-2)}$	$iA_{33}$	$-A_{11}$
		$n$	$-\sqrt{(j-n)(j+n)(j-n-1)(j+n-1)}$	R	0
		$n-1$	$\sqrt{(j+n)(j-n)(j+n-1)(j+n-2)}$	$iA_{33}$	$A_{11}$
		$n-2$	$\frac{1}{2}\sqrt{(j+n)(j+n-1)(j+n-2)(j+n-3)}$	WR	$iA_{33}$
$j'' = j - 1$	$1/j(j-1)(2j-1)$	$n+1$	$\frac{1}{2}\sqrt{(j-n)(j+n)(j-n-1)(j+n-1)}$	$iA_{33}$	$-iA_{11}$
		$n$	$\frac{1}{2}\sqrt{(j+n)(j+n-1)(j+n-2)(j+n-3)}$	WR	$iA_{33}$

Case III, $j'' = j$	$\frac{6(2j+1)}{j(j+1)(2j-1)(2j+3)}$	$n-2$	$\frac{1}{2}\sqrt{(j+n)(j+n-1)(j+n-2)(j+n-3)}$	$WR$	$WR$
		$n+1$	$\frac{1}{2}\sqrt{(j-n)(j-n-1)(j-n-2)(j-n-3)}$	$A_{12}$	$-iA_{12}$
		$n$	$-\frac{1}{2}\sqrt{(j-n)(j+n)}$	$O$	$-R$
		$n-1$	$\frac{1}{2}\sqrt{(j-2n+1)(j+n)}$	$A_{12}$	$iA_{12}$
		$n-2$	$\frac{1}{2}\sqrt{(j+n)(j+n-1)(j+n-2)(j-n+1)}$	$iA_{12}$	$WR$
		$n+2$	$\frac{1}{2}\sqrt{(j-n)(j-n-1)(j+n+1)(j+n+2)}$	$WR$	$-iA_{12}$
		$n+1$	$\frac{1}{2}(2n+1)\sqrt{(j+n+1)(j-n)}$	$iA_{12}$	$-A_{12}$
		$n$	$[j(j+1)/3] - n^2$	$R$	$O$
		$n-1$	$\frac{1}{2}(-2n+1)\sqrt{(j-n+1)(j+n)}$	$iA_{12}$	$A_{12}$
		$n-2$	$\frac{1}{2}\sqrt{(j+n)(j+n-1)(j-n+1)(j-n+2)}$	$WR$	$iA_{12}$

## EXCEPTIONS AND REMARKS:

- (a) In determining which of the last two columns to use, 0 is to be reckoned as positive.
- (b) If either  $n'$  or  $n''$  is zero (but not if *both* are zero), the value given by the table is to be multiplied by  $\sqrt{2}$ .
- (c) If both indices are of absolute value unity, values are to be computed from the table both for  $|n'| = n$  and  $|n''| = n-2$ , using in each case, the one of the last two columns indicated by the nature of  $n'$  and  $n''$ . The quantity given by the table for  $|n''| = n$  is to have a positive sign; while the one for  $|n''| = n-2$  is to be given the sign of  $n''$ ; they are then to be added.



## THE BEGINNINGS OF LITERARY NATIONALISM IN AMERICA, 1775-1800

by CHARLES WILLIAM COLE \*

In spite of its deep historical roots, nationalism is conceived in this study as a modern phenomenon dating from the eighteenth century—a complex integration of cultural, social, and political forces. The cultural forces within a nationality which commonly supply the foundations of nationalism are a common historical past, racial purity, a common language, and a national tradition with its legends and heroes. Attempts to evoke, strengthen, and define such a national culture by artificial means can be seen in enterprises such as the founding of societies and museums for the collection and preservation of antiquities and folk-ways, the efforts to establish a national system of indoctrinated and patriotic education, and the creation of a national literature and art based on the expression of native materials, customs, and traditions. The political forces are motivated first towards gaining national independence, and later towards achieving political unification and strong national government. A complete philosophy of an integrated nationalism and a truly nationalist state can operate and mature only when a people with a recognizable cultural cohesiveness are able to attain political independence and unity.

Students have neglected to analyze such integrated nationalism in America before 1800, probably because of an aversion to dealing with hazy and comparatively unspectacular nationalistic activity. The reasons for this general indistinctness in early American nationalism may be due to the persistence of colonial forms and attitudes, the absence of cultural uniformity, and the frontier influence for physical expansion rather than cultural cohesion. Also, the appearance of a strong nationalism in France during and immediately following the French Revolution overshadowed the comparatively feeble development in America. Yet, an investigation of American nationalism before 1800 may serve two fundamental functions; it may show the origin of a continuous American movement and may also set up the categories and relationships for subsequent studies.

In this study, the literary materials of early American nationalism fall into four categories. First, the writings about nationalism—the expression of political and economic programs to build a national state and the descriptions of the total nationalistic philosophy. Second, the pleas for a national culture in keeping with New World conditions, and programs for establishing a national literature. Third, the national literature created by nationalistic writings and movements—exploiting for

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American purposes the materials of American life: the physical scene, historical past, manners, people, government, benevolent destiny, and general superiority. Fourth, the cultural features and institutions—close in their relations with literature—which have national implications and have served nationalizing purposes.

In the pre-revolutionary period, political programs and events—the Albany Plan, the French and Indian War, the growing argument with the mother country—tended to cultivate a common American mind. Other nationalizing forces were quietly at work: economic progress and intercolonial trade; improved communication and transportation; immigration of anti-British nationalities; mingling of diverse colonists on the frontier; growing ratio of native-born Americans; "social" libraries, newspapers and magazines, increased literacy, and cultural contacts. The Americans grew conscious of their potential united strength.

During the Revolution, American patriotism broke down colonial insularity under the influence of common economic needs and projects and political and military collaboration. The concept of an American culture closely allied to a national ideal began to appear. The New World coming into being should create a new culture. It should encourage "American" qualities like simplicity, virtue, and social equality—not ape the luxuries, vices, and follies of aristocratic and decadent Europe. The literature also should be made national and American. National-minded critics explored the obstacles to literary creativeness—lack of public patronage, distraction created by hostilities, dominance of war-time satirical writings, and absence of copyright legislation to encourage American literature. They urged writers to use and perpetuate American themes and traditions. Literary clubs were formed and magazine space was provided for American literature. Generally, American critics were aware of and perturbed by the formidable difficulties which had to be overcome before their literature could come into its own. The exploitation of American themes in the literature itself was begun during the war. Writers lauded the beauty, vastness, and wealth of the country, and took pride in their popular governmental system. They extolled the industry, heroism, strength, and longevity of the people. They portrayed American civilization and the American way of life in terms of invidious contrast with the decadent Old World. Historians and biographers like Isaac Backus, Hugh Henry Brackenridge, Jeremy Belknap, Ebenezer Hazard, John Bell, and Pierre E. DuSimitière glorified the American colonial and recent past. Most prolific of all the early nationalistic expression was that about the high destiny of America as the inspiration and asylum for the downtrodden and oppressed abroad. Whether such exploitation was nationalistically motivated or merely in uncritical accordance with a vogue which grew up after the Declaration of Independence, all these writings served to mould the basic national American



idea. Cultural factors with national qualities—such as language, education, and learned societies—were evident only in an occasional remark about the desirability of standardizing American speech, a few essays on accommodating education to New World conditions, and the establishment of one national antiquarian society. Before 1783, Americans were too preoccupied with the practical problems of the war to formulate a well-rounded philosophy of nationalism.

After separation from England was achieved and an American nationalism made possible, the desirability of integration was obvious to those who viewed with alarm the economic, governmental, and cultural decentralization which appeared in the post-war confederation period. Americans tried to build up a self-sufficiency by encouraging domestic agriculture and manufactures; for this purpose societies were established to communicate pertinent knowledge and offer premiums for new discoveries. At the same time the need of a strong central government to overcome the political and economic disintegration became apparent as each state followed its own inclinations. Writers began to urge national programs: the subjection of personal interest to national objectives, the assimilation of divergent nationalities within the country, and the development of interstate transportation. The movement to create a more powerful central government gradually gathered strength and seized the stage of public attention with the drafting of the Constitution. During the period of ratification, by far the greater part of the literature unmistakably reflected a national viewpoint, marked by great optimism and hope. From 1783 to 1789 these writings show a very definite contrast to preceding war-time expression concerned as it was with political union primarily for the immediate purpose of breaking the ties of the provinces with England.

Writings about nationalism directly affected the cultural forces of American life at this time. The same premise that had been present earlier underlay the pleas for a national culture—namely, that imitation of foreign civilizations was essentially anti-national and un-American. After 1783, writers who felt that independence from England should be a cultural as well as a political one made much sharper inquiries and appeals than their predecessors. Specifically, they stated that America should cease aping the fashions, customs, and habits of Europe and should embody in the national culture the new principles established by the Revolution. The youth of the nation should stop traveling abroad and reading in the literatures of foreign countries; Old World attitudes should be abandoned. American civilization should maintain democratic simplicity, virtue, and morality. Such expression was more prevalent than during the war, and can be found in many of the magazines, in official pronouncements of organizations like the Society of the Cincinnati, and in writers like Jedidiah Morse, Noah Webster, Timothy Dwight,



James Sullivan, Joel Barlow, and Benjamin Rush. By and large, the social thought more clearly underlined the relationship between a national culture and nationalism than the writings of the Revolution had done.

The theme of a national American literature as a cultural desideratum continued to be maintained. Critics recognized further factors retarding native letters: newness of the nation, difficulty of producing artistic literature in a democracy, competition by the less conditioned and therefore "easier" arts of sculpture and painting, imitation of foreign writers and themes, and supercilious American literary critics. Writers were urged to exploit such national themes as American social customs and traditions, native settings, the story of the Revolution, and the colonial heritage. The Constitution of 1787 provided for literary protection by empowering Congress to legislate for copyright. Such analyses and exhortations exercised an unmistakable influence, for American literature became increasingly American. Themes which had been utilized during the Revolution reappeared with considerable embellishment and frequency; and historians descanted unweariedly on the glamour of the American past, biographers on the achievements of a long roll of patriots and public figures, geographers on the beauty and wonder of the country in its largest features and smallest minutiae.

The post-revolutionary period also began the clarification of nationalistic programs in language, education, and religion. Arguments about the need of a national language, which appeared in the writings of Noah Webster and others, vigorously asserted for the first time the great national benefits that linguistic uniformity and standardization would bring, denounced the British influence as a corruption and an impoverishment, and advanced a multiplicity of ways and means for smoothing out dialectal differences and promoting cultural unity. Educational theorists elaborated the earlier themes of democratic diffusion and utilitarian emphasis; they sought to instill national pride by the classroom use of histories, readers, and geographies indoctrinated with patriotic values, and as early as 1787 they projected dreams of a national university as a cultural center for national coordination. The churches in general severed their organizational ties with Europe during or after the Revolution, and pioneered in the nationalistic movement of the decade by proceeding to set up their own national councils and governing bodies, in some instances even before the formulation of the government under the Constitution of 1787. In the major cultural forms of possible national influence on literature—excepting the specialized and at this time relatively ineffectual field of collecting Americana—the spirit of nationalism was strongly present.

The Constitution established political nationalism and created the prospect of complete national integration. The efficiency of the new

central government, in contrast to the federal system under the Articles of Confederation, was manifested in the Judiciary and Tariff Acts of 1789, the summary quelling of the Whiskey Insurrection, the aggressive opening up of the northwest frontier, and the ordering of national economy under Hamilton's leadership. In foreign affairs, national reputation was improved by treaties with England, Spain, and France; domestically, factions resisting the constituted national policy, such as those who wrote the Virginia and Kentucky Resolutions of 1798, were compelled to submit. Much of the opposition to nationalism was lessened after 1800, when pressures and opportunities forced Jefferson as President to think in positive terms of national action. In the writings appears the new orientation by suggesting the further value of a centrally located capital city, an improvement of transportation, communication, and education, a cultivation of closer accord with the expanding frontier, a foreign policy of isolation implemented by a strong defense, and an avoidance of factional conflict.

During the 1790 decade the arguments for creating a national culture followed the same general patterns as those of previous periods, but were in far greater abundance. Writers like Joel Barlow and Noah Webster analyzed and inveighed against the lack of cultural unity; others enlarged on the importance of relating the native culture to the American background. A number of relatively new programs or recommendations for cultural integration were set forth: the assimilation of foreign groups, the development of interstate commerce, the observance of national holidays, the handing down of national tradition from generation to generation, and a systematic nurturing of a national self-consciousness. The analysis of forces which were hampering the development of native American literature refined upon causes already discovered and brought forward several others: the persistence of literary colonialism, the absence of the patron-artist relationship in business-minded Americans, the non-existence of international copyright, and the lack of governmental sinecures for writers. This common preoccupation is present to an extraordinary degree in the literature of the 1790's, from the well-known strictures by Philip Freneau to the querulous complaints by obscure authors. Even the federal copyright act of 1790 did not improve conditions; it was supported indifferently by the state governments, and more important, it did not protect American writers from their chief competition, the piratical publication of foreign books. In the theater, the dramatic prologues of men like William Dunlap, John Daly Burk, and William Charles White show the concern over creating really American productions; a few commentators even suggested governmental operation of the stage as a means of directing public taste. In fiction, nativistic avowals and patriotic attacks on foreign imitation appear in prefatory and incidental remarks in the novels of Charles Brockden



Brown, Enos Hitchcock, Herman Mann, and Royall Tyler. This decade also gave real impetus to the patriotic collection of American writings to provide American readers with the products of native genius and to preserve these writings for posterity.

The whole picture of nationalistic literary exploitation during the last decade of the century is especially significant when compared with the writings of preceding years. While few of the themes were new, in the 1790's they increased tremendously in quantity and became more nationalistic in expression. The historians, numerous in this decade, were eager to build up a body of American historical writings which would show their fellow-countrymen the roots of a rich and genuine national culture. In addition to actual writing of history, historical materials were accumulated to aid contemporary historiography and also to provide documentary evidence for glorification and mutual congratulation by a nationalistic posterity. The study of American geography was stimulated by the desire to intensify national pride and stop the influx of incorrect and depreciatory European accounts of the New World. Many biographers were busily portraying the American character in terms of national leaders. Historical, geographical, and biographical sketches appeared in periodicals as well as in the separate publications of individual men. Considering this extensive activity in the relatively non-imaginative forms, as well as the constantly reiterated argument for a native literature, one might expect to find the nationalistic spirit manifesting itself in the imaginative forms—fiction, the drama, and poetry. The opposite, however, is largely true. Not only do the belletristic forms show little nationalistic exploitation of American themes but they also are derivative and reflect the common mannerisms of European models. Americans were still bound to the colonial attitude, and American writers continued to address their efforts to the British no less than to their own countrymen. Charles Brockden Brown and Susanna Haswell Rowson, for example, wrote American replicas of the gothic romance and the seduction novel; William Dunlap aimed his plays at British as well as American performance and approval.

Social forces and institutions were greatly reinforced during this decade and in turn exercised widespread nationalistic influence on popular and literary thought. This national direction is apparent in the continued efforts of the American linguistic nationalists—expositions of the unique American vocabulary, dictionaries of the American language, schemes for standardized national spelling and syntax. These labors in general, however, did not manifest the intense nationalistic fervor which had appeared in the 1780's, probably because Noah Webster contributed little at this time. The programs to adapt education to national ends constituted one of the great nationalistic contributions during the Federalist regime. Educators elaborated the familiar propaganda for a



national system of education in conformance with the idealism and practical purposes of the New World. More than ever before school texts were laden with patriotic stories and precepts. At least four men—Amable Louis Rose de Lafitte du Courteil, Samuel Harrison Smith, Samuel Knox, and Pierre Samuel Du Pont de Nemours—proposed a complete national system of education from the primary schools through a national university, the whole to be supervised and integrated by the national university or a national board of education. The spectacle of plans for education in the 1790's is an impressive illustration of how powerful nationalism could be in evoking attempts to unify and organize the cultural life of the people. The preservation of Americana was stimulated by the founding of three museums—Peale's Museum in Philadelphia, the Massachusetts Historical Society museum in Boston, and the American Museum of the Tammany Society in New York—of which only the second was destined to remain as a permanent force in the national culture. Because antiquarianism was a special field with limited resources, it did not have a wide influence and support before 1800, and the widespread establishing of state historical societies, which affected the popular imagination during the first half of the nineteenth century, is a later chapter in cultural nationalism.

Many other less tangible but nevertheless positive cultural forces of nationalism were present in the 1790's. The American religious denominations were in a sense drawn together into a national brotherhood by the onslaught of the common enemy—"French infidelism." General movements to adapt science and medicine to the peculiar problems in American life worked their way into the psychology of everyday discussion. National holidays kept the people aware of their national orientation, and efforts were made to erect monuments to the historical past in order to sharpen this sense of national feeling. In the national life many facts which all Americans could observe—new fashions of homes and public buildings, growth of native music, New World tendencies in dress, national foods and diet—were gradually producing a distinct cultural organism. The belief in the benevolent quality of American nationalism and in freedom, equality, and democracy as characteristically American concepts provided a spiritual and emotionally dynamic factor in the forming of national consciousness. In general, cultural forces under national conditions and nationalistic pressures tended to merge into a distinct pattern which would inevitably exert influence on literature. Influenced by social environment, writers could hardly avoid responding—with individual variations but with a fundamental sameness—to the national values which had been sanctioned by the decisive influences of the common life.

In summary, it may be said that between the years 1775 and 1800 the American people established their nation and charted the course of its

material and spiritual progress. The significance, then, of this study lies in its analysis and description of the origin and development of early American nationalism, and in its qualification of the commonly stated thesis that Americans had to wait until the War of 1812 and the advent of romanticism to evoke nationalistic programs. The general outline of a complete nationalism was clearly present in the last quarter of the eighteenth century. The War for Independence created the opportunity and the period of the confederation emphasized the necessity for national organization; and the nationalistic movement elaborated the philosophy and the program which triumphed in the Constitution and the Federalist administrations. Cultural forces, developing their national forms and qualities, collaborated with the growth of political and economic centralization in making national unity an obvious fact and a popular aspiration. In this nationalistic atmosphere the literary mind evolved a philosophy of literary Americanism and set about the writing of a literature which glorified the physical panorama, the free society, and the large and generous dreams of America, and so contributed its portion to the total phenomenon of American nationalism before 1800.

# THE THEORY OF NUCLEAR FORCES AND THEIR SPIN DEPENDENCE UNDER THE PAIR-EMISSION HYPOTHESIS

by CHARLES LOUIS CRITCHFIELD \*

A satisfactory field theory of nuclear forces should account for the following phenomena: (1) the magnitude of forces between nuclear constituents which must be sufficient to allow a binding energy of approximately eight million electron volts (8 MV) per particle in most nuclei; (2) the short effective range of nuclear forces ( $\sim c^2/mc^2$ ); (3) the equality of proton-proton and neutron-proton forces; (4) the linear dependence of total binding on the number of particles in a nucleus, indicating that nuclear forces show saturation; (5) dependence of nuclear forces on relative spin orientation which is sufficient to make the triplet deuteron stable by 2.17 MV whereas the singlet state is just unstable; (6) the electrical quadrupole moment of the deuteron which speaks for an angular dependence of nuclear forces. When the heavy particles (neutrons and protons) are assumed to interact with charged light particles one might also hope to explain the anomalous magnetic moments of neutron and proton, phenomenon (7).

In view of these few experimental results, containing no detailed information about the dependence of nuclear forces on distance between interacting particles, it is desirable to construct a field theory which is as simple as possible. It is the purpose of this paper to present a summary of certain simple possibilities that have been investigated under the assumption that heavy particles interact strongly with electrons and positrons.

At first a theory which does not distinguish between proton and neutron nor between one heavy-particle spin and the other is built up similar to one previously reported. The hole theory of positrons is accepted so that formally one deals with positive and negative energy states of electrons. One electron in the presence of one heavy particle  $x_0$  is assumed to be governed by the Dirac equation:

$$[W + c\sigma_1(\sigma, p) + \rho_0 mc^2 - H'(x_0)]\psi = 0$$

where  $H'(x_0)$  is the interaction between heavy particle and electron which we wish to introduce as a possible method of explaining nuclear forces.  $H'$  will be defined in terms of four electron states,  $A\uparrow$ ,  $A\downarrow$ ,  $B\uparrow$ , and  $B\downarrow$ , where the arrows indicate the direction of the electron spin. These electron states are assumed to be identical in their space dependence which is spherically symmetrical about the position of the heavy particle,  $x_0$ . The  $A$ 's are proper functions of  $\rho_0$  belonging to  $-1$ ;

\* B.S. 1934, A.M. 1936, The George Washington University; Ph.D. conferred June 14, 1938.



the B's belong to  $+1$ .  $H'$  operating on any electron wave-function orthogonal to the A's and B's gives zero; but  $A \uparrow$  and  $A \downarrow$  are proper functions of  $H'$  belonging to  $-\eta$  and  $B \uparrow$  and  $B \downarrow$  are proper functions of  $H'$  belonging to  $\eta$ . It is assumed that there is no change in the heavy particle state.  $H'$  would then have the transformation properties of a scalar if the A's and B's were of the form  $\delta(x-x_0)$ . In order to avoid divergences, however, it will be necessary to drop complete relativistic invariance and assume that the space dependence of A and B is of finite extent. The linear dimensions of A and B should be of the order of the range of nuclear forces,  $\sim e^2/mc^2$ . The average kinetic energy in electron states of these dimensions would be expected to be of the order of  $137 mc^2$ .

It will be assumed that  $\eta \gg 137 mc^2$ . A heavy particle and one electron are then in the lowest state when the electron is in  $A \uparrow$  or  $A \downarrow$ . The energy in this approximation is then  $-\eta$ . The lowest energy which a heavy particle system may have, according to the Pauli exclusion principle, is  $-2\eta$  in states with both  $A \uparrow$  and  $A \downarrow$  filled and both  $B \uparrow$ ,  $B \downarrow$  empty. Whether states orthogonal to the A's and B's are filled or not does not matter. Taking the kinetic energy of all electrons into account, however, the lowest state of a heavy particle system is that in which all negative kinetic energy states orthogonal to the A's and B's are filled and all positive states empty. At the high kinetic energies involved ( $cp \gg mc^2$ ) proper states of  $p_0$  have zero average kinetic energy. This may be expressed by writing A as a sum of an S-wave which is a superposition of proper states of positive kinetic energy,  $S^+$ , and a P-wave which is a superposition of P-proper-states of negative kinetic energy,  $P^-$ :

$$A = \frac{1}{\sqrt{2}} (S^+ - P^-); \text{ also } B = \frac{1}{\sqrt{2}} (S^- + P^+)$$

There are also the orthogonal states

$$W = \frac{1}{\sqrt{2}} (S^+ + P^-) \text{ and } U = \frac{1}{\sqrt{2}} (S^- - P^+)$$

which belong to zero and so may be either filled or empty. All negative states except  $S^+ \uparrow$ ,  $S^+ \downarrow$ ,  $P^- \uparrow$ , and  $P^- \downarrow$  may therefore be filled so that the lowest state of a single heavy particle system will have the average kinetic energy

$$E_{110} = -2 \int S^- * K S^- dv - 2 \int P^+ * K P^+ dv = \frac{1}{2} \int S^+ K S^+ dv$$

and a first order perturbation calculation leads to the energy  $-2\eta + E_{110}$  for the lowest state. An extension of the calculation will conceivably add terms of the order of  $E_{110}$  as a result of transitions from W and U states caused by K. Such corrections, however, do not invalidate the general conclusions which we wish to draw and they are disregarded.

When  $N$  heavy particles are widely separated they constitute independent systems and the sum of their lowest energies is  $N(-2\eta + E_{\text{kin}})$ . As they are brought together it is always possible to fill all the individual A-states associated with each heavy particle without filling any B-states. The total interaction energy will therefore retain its lowest value of  $-2N\eta$  and since it is  $N$  times the energy of one particle it can be simply added as part of the proper energy of heavy particles. On the other hand, the kinetic energy of the electrons will, in general, be different when many systems are close together, because of the finite extent assumed for the interaction and because of the operation of the Pauli principle. It is not possible to calculate the change in kinetic energy without specifying the space dependence of the A and B states except in the particular case that all  $N$  particles occupy the same point. Then two electrons suffice to fill all A-states leaving the B's empty and the lowest energy is  $-2N\eta + E_{\text{kin}}$ . The difference in energy between coincident and widely separated configurations is interpreted as the maximum potential energy existing between  $N$  nuclear particles:  $(N-1)E_{\text{max}}$ . It is evident that the depth of the potential well in the deuteron is of the order of 70 MV in rough agreement with calculations assuming a range of forces  $\sim e^2/mc^2$ . Since the maximum potential energy per particle is roughly constant one would also expect the binding energy in nuclei to be independent of the number of other particles thus accounting for saturation. Neutrons and protons have been treated the same so that the first four experimental results outlined above may be described by this theory.

The assumption made concerning the interaction between heavy particles and electrons has been called the pair-emission hypothesis because, under certain circumstances, the lowest proper state of a single heavy particle is described by the physical process of pair-emission and reabsorption. In the lowest state  $A\uparrow, A\downarrow$  are filled and  $B\uparrow, B\downarrow$  are empty. Thus if  $W\uparrow$  be empty the interpretation in kinetic-energy states of  $A\uparrow$  being filled is that half the time  $S\uparrow$  is empty and  $P\uparrow$  filled so that no pair is present, whereas the other half of the time  $S\uparrow$  is filled and  $P\uparrow$  is empty corresponding to an electron in an S-state and a positron in a P-state. If, however  $W\uparrow$  is filled, then both  $S\uparrow$  and  $P\uparrow$  are filled and there is no pair production activity. Similar interpretations apply to  $A\downarrow$  and  $W\downarrow$  as well as to B and U states. An earlier presentation of the pair-emission hypothesis has assumed pair-production in spherically symmetrical states. In that treatment the proper states of the pair-production operator were proper states of  $\rho_1$  and one should expect unobserved effects of the electromagnetic potential,  $e\rho_1(\sigma, A)$ , as soon as spin dependence is introduced into the interaction. An operator which commutes with  $\rho_1$  would also permit pair production in spherical states



but would lead to similar difficulties with the appearance of an electrical dipole moment as a probable result of spin dependence.

Although the space dependence of the A and B states is left undetermined there is reason to believe that under the strong interaction assumed between heavy and light particles these states must be practically orthogonal to long waves. This conclusion is based on an investigation by Condon of the scattering of slow neutrons by orbital electrons. For neutrons of thermal energy Condon found that the total cross-section presented by an atom of atomic number  $Z$  should be about  $Z^2\sigma_0/10$ , where  $\sigma_0$  is the cross section of one electron with effectively nuclear mass. Since total cross sections of the heaviest elements are about  $9 \times 10^{-24}$  cm<sup>2</sup>, the value of  $\sigma_0$  must be equal to or less than  $10^{-26}$  cm<sup>2</sup>. On the other hand if the electron states A and B are not orthogonal to long waves the region in which they have appreciable amplitude is practically excluded for outside electrons and the nuclear particles will scatter electron waves of long wavelength like a rigid sphere of radius  $r_0 = e^2/mc^2$ . According to the theory of scattering, the cross section for one electron would then be  $4\pi r_0^2 = 10^{-24}$  cm<sup>2</sup>, one hundred times too large. This contradiction is avoided, however, if A and B are orthogonal, or nearly so, to long waves.

In order to explain experimental results (5), (6), and (7) it is necessary to drop the symmetry of the assumed interaction in spins of the light particles. It will also be necessary to assume that the spin state of the heavy particle may change. The satisfactory results obtained for spin-independent forces are kept by retaining the pair-production operator as the principal term in the Hamiltonian. Spin dependence is then included as a perturbation of the lowest state of the symmetrical theory. One type of perturbation that has been considered may be described as a force which is proportional to the cosine of the angle between heavy and light particle spins and which causes electrons in the A-states to make transitions to orthogonal states X with a probability which depends upon the spin directions. It is found that a satisfactory description of spin dependence can be obtained by adding such a term to the Hamiltonian if analogous transitions from orthogonal states Y into the B's are introduced at the same time. The interaction constant,  $\lambda$ , for the spin forces must satisfy  $\lambda \sim \sqrt{h} E_{int}$ . Spin dependence is correctly accounted for only if the interaction with A and B states is essentially the same for neutron and proton. Small differences in the probability of transition from A into X and from Y into B are permitted, however, and if the magnetic moment of electrons in states X and Y is sufficiently large and the anomalous magnetic moment of neutron and proton may be ascribed to the effect of electrons in these virtual states. In this case, for example, the spin of the neutron would interact a little more strongly with the A-states than with the B's and the proton more strongly with



the B's. The X and Y states will, in general, be partly S-waves and partly P-waves so that an angular dependence of forces between two heavy particles might be expected to arise from them. The magnitude of the angular dependence is of the same order as  $E_{\text{kin}}^2/\eta$  and is therefore negligible.

One other general method which has been investigated as a possible explanation of spin dependence is to assume a strong interaction between heavy-particle spin and the spins of light particles in states A and B alone. No transitions are caused directly by the spin forces but the interaction constant is so chosen that there are several states of two-particle systems with energies near  $-4\eta$  and the kinetic energy operator may cause transitions among these states. The difference between the maximum depths of singlet and triplet wells in this method, as well as in the previous method, is due to the destructive interference of the efforts of two heavy particles of opposite spins. The singlet will thus always be at  $-4\eta + E_{\text{kin}}$  (for coincidence) whereas the triplet may be much lower. Single-particle states will also be lower than  $-2\eta + E_{\text{kin}}$  because there are also degenerate one-particle states so that if the kinetic-energy coupling is too strong there will be a repulsion in the singlet state. When a strong spin-dependent interaction of this type is assumed to be proportional to (minus) the cosine between heavy- and light-particle spins and to be the same for A and B states, the energy of a single heavy-particle system does become too low to give an attraction in the singlet two-particle state. Calculations leading to this result are first-order perturbation calculations which depend upon the definition of the A, B, W, U states for the evaluation of the coupling energies.

Two possible methods of rectifying the results of the second type of spin interaction are suggested. The first simply adds pair emission in additional states which, however, are not affected by the spin operator. In this way the total attraction between heavy particles can be increased by the correct amount to give the observed results. A more promising method is to weaken the effect of the kinetic energy by introducing perturbations. This method presents the opportunity of choosing the perturbations differently for neutron and proton in such a way as to explain their magnetic moments at the same time. If the neutron does not act so strongly with the B-states as assumed above and the proton not so strongly with A states, a satisfactory account of the relative and absolute depths of singlet and triplet two-particle wells and also of the anomalous magnetic moments can be expected. An angular dependence of forces between nuclear particles which is of the same order of magnitude as the attractive forces is to be expected also. If the neutron only acted only with A-states in the spin-dependent way and the proton only with B-states, the non-spherical part of the force between neutron and proton in the triplet states would be similar to that of magnetic dipoles.

of opposite direction. In case neutron and proton interact with A and B states alike nothing definite can be said about the non-spherical interaction without knowing the space dependence of the A and B states except that there will be an important angular dependence of the forces. It may then be found that the proper choice of A and B and a slight difference in the spin interaction of neutron and proton with these states will give a satisfactory description of the spin dependence, magnetic moment and the electrical quadrupole moment of the deuteron.

In conclusion it can be said that the pair-emission hypothesis is quite adequate as a possible explanation of nuclear forces. Much more can be derived from the theory only by assuming a particular space dependence for the A and B states. Perhaps the theory can be made more definite when the relation of pair emission to the difficulties connected with the "fundamental length" are better known.

## THE *IN VIVO* CONVERSION OF AMINO ACID ISOMERS

by OLIVER JOHN IRISH\*

The isolation of the  $\alpha$ -amino acids resulting from protein hydrolysis has shown that with the single exception of glycine all are optically active and the comparatively recent investigations of Lutz and Jirgensons have furnished the additional information that those amino acids occurring in nature possess the same spatial configuration (i.e., are structurally related), leading to their designation as the *l*-series in contradistinction to their optical antipodes, the *d*-series. Coincident with the interest manifested in the isolation and identification of the amino acids entering into the structure of the living cell or its secretions, has been the desire to discover the intermediate stages in amino acid metabolism and the limitations of the organism in its ability to utilize amino acids not of the naturally occurring series. Early in the present century, investigators discovered that the addition of *dl*-phenylaminoacetic acid to nutrient solutions containing yeast resulted in the breakdown of the dextrorotatory component and in the formation of a levorotatory substance subsequently identified as acetylaminophenylacetic acid. Experimental perfusion of the surviving liver with the racemic acid or its inclusion in the diet of intact animals resulted in the formation of an acetyl derivative, the optical antipode of that previously obtained with yeast. These findings definitely established the ability of the organism to carry out the acetylation reaction.

In extending his studies on the *in vivo* oxidization of fatty acids, F. Knoop found that following the administration of  $\alpha$ -keto or  $\alpha$ -hydroxyphenylbutyric acid it was excreted in part as dextrorotatory  $\gamma$ -phenyl- $\alpha$ -acetylaminobutyric acid. When *dl*- $\gamma$ -phenyl- $\alpha$ -aminobutyric acid was fed, the same optically active acetyl derivative along with small amounts of  $\alpha$ -keto and dextro  $\alpha$ -hydroxy analogues was found to be excreted. Phenylamino-butyric acid, rather than its next lower homologue, phenylalanine, was chosen by Knoop for a number of his feeding experiments since he felt that it would be metabolized more slowly within the body and that in consequence there would be a greater opportunity for discovering the intermediary metabolites.

Since the administration of the  $\alpha$ -amino or the corresponding  $\alpha$ -hydroxy or  $\alpha$ -keto acids always led to the excretion of some of the amino acid in the form of an acetylated derivative, the assumption of acetylation as a natural step in the intermediary metabolism of amino acids seemed justified. Also it appeared, that since the acetyl derivative resulting either

\* A.B. 1916, State University of Iowa; M.S. 1924, The George Washington University; Ph.D. conferred June 14, 1929.



from the action of yeast, perfusion of the liver, or administration to the intact animal, was always optically active, it probably originated from an inactive intermediate product (the keto- or imino-acid) rather than through direct acetylation. If such an assumption were true, then the feeding of a sufficient quantity of the "unnatural" isomer should be followed by the excretion of the acetyl derivative of the naturally occurring form. Were both isomers of a *dl*-amino acid acetylated by an organism at the same rate, it is evident that the excretion of the form found to predominate in the urine as the acetyl derivative, would not be possible unless its optical enantiomorph were quantitatively broken down. That such is not the case was shown by the excretion of considerable amounts of unchanged levorotatory phenylaminobutyric acid along with the acetylated dextro isomer following the feeding of the free *dl*-amino acid.

When the *dl*-acetyl derivatives of either phenylalanine or phenylaminobutyric acid were fed to dogs, the levorotatory form of these derivatives could in each instance be recovered from the urine in the greater amount, i.e., the acetylated isomer now excreted was the optical antipode of that found following the feeding of the free *dl*-amino acid.

The theory postulated by Knoop to account for the method of acetylation was based on the earlier work of Erlenmeyer and Kunlin and de Jong who had shown that by heating a keto acid in a solution of ammonium carbonate, one molecule of the keto acid apparently unites with a molecule of ammonia and is reduced at the expense of an additional molecule of the keto acid, which is in turn, oxidized to the next lower fatty acid and left attached to the amino group so that an acylamino acid is produced. High yields of acetylalanine were obtained by heating pyruvic acid in an ammonium carbonate solution and, in a similar manner, acetylglycine was synthesized from glyoxylic acid, ammonia, and pyruvic acid.

When the *dl*-acetyl-amino-phenylalanine was fed by Knoop and Kertess they expected the naturally occurring *l*-form of the amino acid to be oxidized within the animal's body and the *d*-form to be excreted. Much to their surprise, the excreted acetyl derivative was levorotatory and, assuming it to be the derivative of the *l*-acid, they felt the conclusion to be drawn from their data was that the body could more readily oxidize the derivative of the unnatural isomer. It was for this reason that they abandoned acetylation as a *natural* step in amino acid metabolism, although their belief that the keto acid is an intermediary step in amino acid catabolism and can be converted to the amino acid still remained.

A review of the literature relating to the metabolism of *dl*- $\alpha$ -amino acids is presented, also that concerned with the origin of  $\alpha$ -keto and  $\alpha$ -hydroxy acids from the corresponding amino acids. Recent investiga-

tions have indicated the presence of an enzyme, the *d*-amino acid deaminase, in the liver and kidneys which brings about the conversion of "unnatural" *d*-series amino acids to the  $\alpha$ -keto form, ten to twenty times more rapidly than the rate at which the reaction proceeds with those of the natural or *l*-series. The ability of the animal organism to utilize for purposes of growth, the optical isomers, including their formyl or acetyl derivatives, or the  $\alpha$ -keto or  $\alpha$ -hydroxy analogues of the amino acids normally occurring in the diet (as demonstrated by experiments reported in the literature) has been considered.

The discovery by du Vigneaud and Meyer that the acetyl derivative of *d*-phenylalanine possessed the same specific rotation,  $[\alpha]_D^{25} = -51$ , as the acetyl derivative isolated from the urine following the feeding of acetyl-*dl*-phenylalanine by Knoop and Blanco, made it appear likely that those investigators had actually isolated acetyl-*d*-phenylalanine and that, contrary to the conclusions they had drawn, the body could oxidize more readily the acetyl derivative of the naturally occurring levo isomer. Because of the great importance of the identity of the isomer of phenylalanine excreted to the validation of the theory postulated by Knoop on the basis of his work with phenylaminobutyric acid and phenylaminoacetic acid, we considered it essential that the actual physiological work of Knoop and Blanco should be repeated for a direct determination of the isomer most readily oxidized by the body. The *d*- and *l*-phenylalanines and their acetyl derivatives were prepared and the observations of du Vigneaud and Meyer with respect to the configurational relationship between the isomers of phenylalanine and their acetyl derivatives were corroborated. The physiological experiments of Knoop and Blanco were then repeated, and we were able to confirm their actual experimental data, i.e., that after the feeding of acetyl-*dl*-phenylalanine, a levorotatory acetyl derivative is excreted in the urine. However, this acetyl derivative is actually that of the unnatural isomer. In other words, the body is able to burn more readily the acetyl derivative of the naturally occurring form, and therefore, in our opinion, the basis upon which Knoop's theory of the acetyl derivative as a normal intermediate in the synthesis of amino acids was abandoned, no longer exists.

A crucial experiment by which to test the correctness of the original explanations proposed by Knoop for the results he obtained with *dl*-phenylaminobutyric acid now became apparent. If, as was predicted, the dextrorotatory isomer corresponds in spatial configuration with the natural series of amino acids, then the feeding of a sufficient quantity of its optical antipode should result in the excretion of the acetyl derivative of the naturally occurring or *l*(+)-phenylaminobutyric acid. The asymmetric synthesis of this derivative should follow the oxidative deamination of the unnatural enantiomorph to the keto form of the acid.



For these studies the phenylaminobutyric acid was prepared by a modification of Fischer's method of synthesis which we worked out. Resolution was accomplished through the brucine salt of the formyl derivative and both optical isomers were isolated. In contrast to phenylalanine, the acetyl derivatives had the same direction of rotation as the hydrochlorides of the free amino acids.

Experiments were now carried out in which racemic phenylaminobutyric acid and also the optically active isomers were fed to a number of dogs. Irrespective of the form administered, the acetyl derivative of the dextrorotatory isomer only was excreted in the urine. Although some oxidation does take place as witnessed by the isolation of hippuric acid, the oxidizability of the keto acid is apparently poor. Some is converted to hydroxy acid, but the greater proportion is converted to the acetyl derivative which accumulates and is excreted. Any hydrolysis of the latter which might occur would simply liberate the free acid. This would then go through the cycle once more. The ability of the body to hydrolyze the acetyl derivative of the dextro form of the amino acid is indicated by the fact that an excess of its optical antipode is found in the urine following the feeding of the acetyl-*dl*-phenylaminobutyric acid.

Since the significance of the data obtained with phenylaminobutyric acid to the metabolism of ordinary amino acids depends in great measure upon the assumption that the dextrorotatory form of this acid corresponds in spatial configuration to the naturally occurring series, it became a matter of great importance to establish this point beyond any doubt. From the results of studies with the isomers of the acetyl derivatives of other amino acids referred to in the literature, it is justifiable to assume that the acetyl derivative less readily handled by the body corresponds in configuration to the unnatural series. No exception to these relationships has been found. It seemed desirable to us, however, to test our conclusions with regard to the spatial configuration of the dextrorotatory phenylaminobutyric acid by the method of Lutz and Jirgensons. When this test was applied, the drift in specific rotation towards the more negative side with decreasing molecular equivalents of HCl, characteristic of the naturally occurring series of amino acids, was found. It is fitting, therefore, that in accordance with recent suggestions, this compound, referred to under the older terminology as *d*-phenylaminobutyric acid, should now be designated as *l*(+)-phenylaminobutyric acid.

The results of studies undertaken to determine whether any appreciable racemization of the acetyl derivative might have occurred, either during its isolation from the urine and its subsequent purification, or in the steps leading to the recovery of the free amino acid through hydrolytic removal of the acetyl group, are given.

An interesting opportunity to extend the investigation so as to shed additional light on the mechanism for the conversion of the *d*(—)- to the



*l*(+)- form of phenylaminobutyric acid, was offered through the use of material labeled with  $N^{15}$  nitrogen. A comparison of the analytical data relative to the  $N^{15}$  content of the excreted compound and that of the isomers of the amino acid fed, presents striking evidence as to the difference in their metabolic treatment. From these experiments and likewise from those in which the  $D_2O$  concentration of the body fluids was greatly increased during the time the labeled amino acids were being metabolized and excreted, it appears that the isomer corresponding to the naturally occurring or *l*-series amino acids retains most of its original  $N^{15}$  nitrogen, while the  $N^{15}$  of its optical enantiomorph is, to a large extent, replaced by  $N^{14}$  from some other source.

That this condition is true in a relative, rather than in an absolute sense, in no way affects its implication, i.e., that preceding acetylation, the natural isomer becomes an  $\alpha$ -imino acid, while the unnatural form is oxidatively deaminized to the corresponding  $\alpha$ -keto acid.

If one considers that in the case of the *l*(+) acid used, acetylation occurred directly upon the nitrogen originally present in the molecule, whereas in the case of the *d*(-) acid, the nitrogen, for the most part, had first to be removed and then replaced, either prior to, or simultaneously with, acetylation, it is apparent that the metabolite of the unnatural form was subject to excretion during the interval in which it existed either as an  $\alpha$ -keto or as an  $\alpha$ -hydroxy acid. The amount of the *d*(-) isomer then available for conversion to the acetyl derivative would thus be reduced. The apparent excess of  $N^{15}$  in the excreted compound following the administration of mixtures of *d*(-) and *l*(+) amino acids containing 50 per cent or less of the naturally occurring form is, therefore, not surprising. It is also to be noted that in the experiment in which the amino acid fed was made up practically entirely (90.2 per cent) of the *l*(+) isomer, a small amount of the acid which had contained  $N^{15}$  was not recovered in the form of its acetyl derivative. It is natural to conclude from a consideration of the outcome of earlier feeding experiments with phenylaminobutyric acid, that the loss was the result of the conversion of this small moiety of the acid to the  $\alpha$ -keto or  $\alpha$ -hydroxy form which may either have been excreted in that condition or as the acetyl derivative subsequent to reamination with  $N^{14}$  nitrogen.

When the  $D_2O$  was maintained at a relatively high concentration in the body fluids of the experimental animals throughout the time in which the isomers of the labeled phenylaminobutyric acid were being fed and their metabolites excreted, the replacement of  $N^{14}$  by  $N^{15}$  nitrogen was shown to be accompanied by a substitution of deuterium for the hydrogen attached to the  $\alpha$ -carbon atom proportional to the  $D_2O$  concentration in the body fluids. This study brought out the additional interesting fact that a certain small amount of the nitrogen, originally present in the

*d*(—)-phenylaminobutyric acid fed, retains its attachment to the  $\alpha$ -carbon atom during the time in which the conversion to the acetyl derivative of its optical enantiomorph occurs, in other words, complete deamination of the unnatural isomer is not an essential part of the reaction.

We have presented a modification of the Knoop theory of acetylation which takes into account the experimentally demonstrated difference in the rate at which naturally occurring amino acids and their optical antipodes are deaminated. From the evidence obtained, it appears conclusive that the animal organism has the ability to convert an unnatural (*d*-series) amino acid into its naturally occurring enantiomorph.

## ELECTROPHORETIC STUDIES UPON THE PRESSOR AND OXYTOMIC PRINCIPLES OF THE PITUITARY GLAND

by GEORGE WASHINGTON IRVING, JR.\*

A review of the literature concerning the purification of the posterior lobe hormones reveals that the most successful attempts to isolate the pharmacologically active principles have involved, for the most part, successive fractionations with various precipitants and solvents. By such procedures, highly potent, non-crystalline preparations have been obtained which contain on the one hand, high pressor activity with relatively little oxytomic activity, and on the other hand, high oxytomic activity with relatively little pressor activity. However, the continued application of these methods for further purification of the principles has not yielded material of greater potency nor given rise to crystalline preparations. For this reason, when the present investigations were undertaken, it was felt that little was to be gained by retracing the steps of previous investigators, with the hope that improvements might be effected, since these methods had proven inadequate even in more experienced hands. It seemed more probable that the chances for the successful isolation of the pure principles would be better if an entirely new experimental attack upon the problem could be devised. In the event that a new technique should, in itself, prove inadequate for the isolation of the pure active material it was thought that the application of the existing fractionation methods to the product obtained thereby, might eventually lead to the isolation of the principles. In other words, it would be logical to assume that a radically different purification procedure might produce active preparations which differed qualitatively with respect to the impurities present from those obtained heretofore.

While the electrodialysis studies of Gulland in England and Guha in India, offered no encouragement for the continued use of this technique as a purification tool, the work of Williams and his associates in Oregon, who had successfully used "fractional electrical transport" in a multiple-celled electrophoretic apparatus containing no membranes as a means of concentrating the "bios" of yeast, strongly suggested the possibility that this method of approach might be useful in effecting a separation of the active pituitary substances from their accompanying impurities and even in effecting a separation of the principles from one another. In the apparatus described by Williams and his co-workers, direct current at high potential was passed through a series of beakers connected by means

\* B.S. 1933, A.M. 1935, The George Washington University. Ph.D. conferred June 14, 1937.



of inverted "U" tubes or siphons. The material to be electrolyzed was dissolved in water and placed in one or more of the beakers and the remaining cells were filled with distilled water. According to Williams and Truesdail, as the current flows in such an electrophoretic set-up, "A gradient of pH values is established between the anode cell and the cathode cell and an ampholyte tends to move toward the cell possessing the pH value which approximates the isoelectric point of the ampholyte." With these points in view therefore, the application of the electrophoretic technique to the posterior pituitary problem appeared all the more attractive since it is generally believed that many of the impurities associated with the active principles, if not the principles themselves, are ampholytic, peptide-like substances. In addition, electrophoresis offered a means of eliminating the use of dialyzing membranes which have proven troublesome in some instances due to their property of adsorbing varying amounts of activity.

At the outset, exploratory experiments were carried out in an apparatus patterned closely after that used by Williams and his group. These preliminary experiments showed that both the pressor and oxytocic activities migrated toward the cathode in the simple electrophoresis set-up and further that the two activities migrated at different rates. This fact immediately suggested that for such a result to take place the two activities must certainly be properties of separate molecules, and that consequently, the technique might prove capable of effecting their separation. The apparatus was modified and a new source of high potential was devised to make possible the conclusive demonstration of the differential migration phenomenon. This was accomplished through the use of an electrophoretic train of 19 cells, in which the two principles were allowed to migrate toward the cathode over an extended time-period. In this manner it was found that the pressor principle migrated at a rate approximately six times that of the oxytocic. Since the activities migrated at different rates, it was obvious that they were manifestations of different chemical entities present in the preparations electrolyzed.

With differential migration of the pressor and oxytocic activities from partially purified preparations of the posterior lobe established, the way was opened for a crucial experimental test of the unitary hormone theory. For this purpose an electrophoresis was carried out upon the mechanically expressed juice of fresh, untreated posterior lobes. It, as had been claimed by some, the two activities were present in the gland juice as properties of a single "mother-substance", electrophoresis should reveal no difference in their migration rates. On the other hand, if the activities were present in the gland juice as separate substances, as had previously been shown to be the case in active preparations derived from the posterior lobe, then differential rates of migration for the two active principles should again be observed in the electrophoresis of the gland

juice. When this experiment was carried out, under rigidly controlled conditions, it was again found that the pressor activity migrated at a faster rate than the oxytocic, indicating that the activities in this simple press-juice were manifestations of different chemical entities.

In attempting to apply the information gained in the previous studies to the purification of the two active principles, serious difficulties were encountered from the standpoint of obtaining sufficient material for large scale work. It became necessary therefore, to develop a method for obtaining a stable, active, "crude" preparation from the glands themselves. In developing such a method, an attempt was made to depart as far as possible from the usual preparative steps so that a "crude" material might be obtained which would be qualitatively different from previous preparations. Frozen hog or beef posterior lobes were used as the starting material. The glands were ground with sand, and the ground mass was subjected to high pressure in an hydraulic press. The expressed juice obtained in this manner, together with several washes of the press-cake was acidified with acetic acid and heated briefly to precipitate the bulk of heavy protein material. The clear supernatant solution obtained by centrifuging contained practically all of the pressor and oxytocic activities present in the glands used. The active material was precipitated from the concentrated extract by saturation with sodium chloride and the dried precipitate was exhaustively extracted with 98 per cent acetic acid. By addition of ether and petroleum ether to the extract, a white, water soluble, amorphous precipitate was obtained which contained 80 to 90 per cent of the pressor and oxytocic activities present in the glands. This product was used as the starting material in the subsequent work.

Electrophoresis was next applied to the "crude" preparation obtained from the glands to discover the extent to which purification could be carried by this procedure. After means had been developed for preventing the destruction of the activities during the electrophoresis and for isolating the purified fractions, it was found that a fraction of the pressor principle could be obtained which possessed a potency of 50 units per mg., and which contained only 15 units of oxytocic activity per mg. Although this procedure afforded a means for obtaining fractions of the pressor principle which were several times more potent than the starting material, all attempts to produce preparations of a potency equal to, or greater than, the best preparations obtained by previous workers, met with failure. Consequently the line of attack was changed. A pressor fraction of high potency was prepared by chemical fractionation procedures similar to those contained in the literature and this purified fraction was subjected to electrophoresis, with the result that a pressor fraction was obtained which equalled in potency the best preparations obtained heretofore. Here again, further attempts to increase the potency of the pressor



preparations by the continued application of the same methods have been unsuccessful.

In some recent studies, new hope for the eventual isolation of the pure pressor principle has been afforded by procedures involving alkaline solutions of the active material.

Analytical studies upon pressor fractions of varying potencies have thrown considerable light upon the possible constituents of the pressor principle. In the most potent pressor preparation, tyrosine and cystine are present in approximately equal amounts and, together, these two amino acids account for nearly 25 per cent of the preparation. Since the content of both tyrosine and cystine increases with increasing potency, it is likely that both are important constituents of the pure pressor molecule. Choline and beta alanine do not appear to be present in potent pressor fractions and consequently their presence in the pure pressor principle is extremely doubtful. Although the data are as yet incomplete, there is evidence to suspect that both arginine and histidine may be present in appreciable amounts in the most potent pressor fractions. A depressor substance, present in potent pressor fractions, has been shown to be present as an impurity and not as an integral or functional part of the hormone molecule.

It is believed that certain facts arising from the work accomplished will prove of value in future attacks upon the problem. The differential migration studies have proven beyond doubt that the pressor and oxytocic principles are present as separate molecules in preparations derived from the posterior lobe and that accordingly the purification of these hormones may be undertaken as separate, but closely related problems. The method developed for obtaining crude preparations of active material from the glands has eliminated some, but by no means all of the troublesome factors which have handicapped investigators of this problem. Certain mechanical aspects of the use of electrophoresis as a tool in problems of this nature, and the precautions necessary for the safe electrophoretic treatment of the posterior lobe hormones, have been developed in detail. While in view of the results obtained, this knowledge may seem of small moment, it is quite likely that the methods and techniques which have as yet, been found inadequate for the final purification of the pituitary hormones, may be valuable in solving related problems in the field of the endocrines. Moreover, with the assurance that alkaline preparations, which differ markedly in physical properties from any of the fractions previously isolated, can be prepared and handled without appreciable destruction of the pressor principle, the outlook for the continued, and perhaps more fruitful application of electrophoresis under the new conditions is very encouraging.



Probably the most outstanding feature of electrophoresis as an aid in scientific research is the fact that small changes in the conditions under which the technique is employed may markedly affect the result obtained. For this reason, electrophoresis can be a pliable, adaptable and helpful tool in a wide variety of investigations, provided the proper conditions and limitations for its use in particular cases can be ascertained. In applying electrophoresis to the posterior lobe problem we feel that we have but "scratched the surface" so far as the possibilities of the method are concerned and we hope that in the further exploration of these possibilities isolation of the hormone will be accomplished.

## THE ECONOMICS OF WORK RELIEF: A HISTORY AND ANALYSIS

by PEYTON ARMSTRONG KERR, JR. •

It is the aim of this thesis (1) to point out that the provision of emergency employment for destitute workers during periods of mass unemployment has long been an established practice; (2) to present a history of work relief in the United States; (3) to indicate the complexities under which a work-relief program operates; and (4) to analyze the development of public spending in theory and practice under the New Deal, with particular reference to work-relief expenditures as the principal instrument of the Government's compensatory fiscal policy.

During the earliest depressions in this country, projects were organized to supply work, rather than charity or a dole, for the involuntarily idle. These early work-relief programs were seriously deficient in a number of respects. Many participating agencies were not fully aware that providing relief for the unemployed is a separate and distinct task from providing the types of relief traditionally supplied by welfare agencies. Few attempts were made to provide employment that was adapted to the training and ability of the unemployed. The experience gained, however, could have been a valuable aid during the early 1930's but there were no permanent relief organizations to preserve this experience and make it available. These early programs are important as precedents for current relief policy, but they had no special economic significance. The volume of expenditures was so slight that there were no important implications with respect to sustaining consumers' purchasing power, and certainly there was no suggestion of compensatory fiscal policy implicit in them. The recovery aspect of work-relief expenditures was an unformulated concept until about 1934.

The period from 1930 to 1933 marked the transition to a new period in the history of work relief. Local communities were suddenly confronted with unprecedented relief burdens in the face of declining revenue. As relief needs increased, there was a growing preference for work relief as a means of meeting the needs of the destitute unemployed. At the same time, the trend was away from private funds on the one hand and from exclusively local auspices on the other until, first, the states and, finally, the Federal Government assumed a substantial role. The trend toward work relief was to culminate in the huge work-relief programs sponsored by the Federal Government after the pressure of unemployment had forced it to enter the field. The presence of the

• B.S. 1925, University of California. A.M. 1927, The George Washington University.  
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Federal Government in the field since 1933 has meant not only the provision of additional funds but also the enforcement of minimum standards, the provision of more varied types of employment, and the increased effectiveness that results from coordinated activities.

The Federal Government's first mass employment program—operated by the Civil Works Administration during the winter of 1933-34—was a major experiment in dealing with unemployment. Employment to meet mounting winter relief needs was provided with unprecedented speed—the CWA was created in November 1933 and employment reached a peak of 4,264,000 in January 1934. This program also represented the first big attempt at the utilization of federal unemployment-relief funds to implement a compensatory fiscal policy. Expenditures in excess of \$900,000,000 were made primarily during a period of four months.

The CWA program was displaced in April 1934 by the Emergency Work Relief Program operated by the Federal Emergency Relief Administration in cooperation with the states. Under federal direction, steady progress was made toward uniformity of policy on a nation-wide basis and toward the achievement of satisfactory minimum standards. The FERA accomplished some notable spadework in developing the technique of providing emergency jobs to employable persons on relief rolls and in improving the efficiency with which projects were operated. The magnitude of the role played by the FERA program in sustaining consumers' purchasing power is evident from the fact that federal grants to the states totalled over \$3,000,000,000.

With the liquidation of the FERA program of federal grants in 1935, the Federal Government assumed primary responsibility for providing employment to employable persons on relief and the Works Progress Administration (renamed the Work Projects Administration in 1939) was established as the principal agency to perform this function. The WPA program and the associated activities of other federal agencies represent the highest development thus far in providing work for the unemployed. The increasing effectiveness with which the present program functions is attributable to the advantages of a federal program as well as to added experience. At the same time that work-relief expenditures have come to be relied upon increasingly as the most flexible element in the spending program, major improvements have been achieved in the engineering efficiency with which project operations are conducted. By 1935, work-relief expenditures were accepted as the core of fiscal policy and the WPA became the principal channel through which deficit spending was accomplished. The magnitude of WPA's role as the primary implement of the Government's compensatory fiscal policy is indicated by the fact that WPA had spent a total of \$6,175,000,000 through March 1939.

Major work-relief problems include the provision of suitable work, the danger that regular employees of local governments (and of contractors



undertaking public works) will be displaced, the effect of work-relief wage payments on private wage rates, and maintenance of the incentive to return to private employment. Experience since 1933 has demonstrated that these problems are not insuperable obstacles. From a review of the accomplishments of the WPA, it is apparent that there is much useful work that can be done by the work-relief method, and that a wide variety of jobs can be provided that are reasonably well adapted to the aptitudes of the unemployed. Much of the work undertaken has been within the scope of the normal functions of local governments, but justification for such encroachments has been sought in the fact that such undertakings could not have been included in regular budget appropriations for some years to come. In recent years, work-relief wage policy has sought to provide monthly earnings that are lower than private earnings for comparable work and thus to maintain the incentive to return to private employment. It is the "marginal" types of private employment that feel the effect of work-relief competition for workers—notably the lowest-paid farm jobs and domestic service. The wage-policy dilemma of establishing rates that will leave prevailing rates unaffected and, at the same time, provide a decent minimum subsistence will probably persist as long as a large proportion of private employment is characterized by a high degree of insecurity of tenure and as long as the low earnings afforded by work-relief employment are more attractive to many workers than the only private earnings that are available to them.

The efficiency of a work-relief program must be considered from two different viewpoints. There is the question of the efficiency with which a work-relief program accomplishes its primary objective—the provision of useful relief jobs for unemployed workers in need of public assistance; and there is the question of the efficiency achieved on individual projects in the accomplishment of work in the engineering sense. The efficiency of work relief is not to be judged primarily in the engineering sense: work relief is principally a means of preserving and improving the status of the persons employed and is only secondarily a means of producing a valuable product. Technical efficiency, however, could probably be improved by integrating a direct-relief program with work relief. The higher per capita cost of work relief over direct relief is justified because (1) work relief is more suitable for employable persons; (2) the completed projects are worth considerably more than the added cost; (3) the higher expenditures involved tend to stimulate business activity.

A definite trend is discernible in the various programs inaugurated since 1930 with respect to the scale on which operations have been conducted and with respect to the role which work-relief expenditures have played in the economy. The strong tradition of local responsibility for relief gave way and the Federal Government began the attempt to deal with a problem that was finally recognized to be national in its origins

and scope—a problem calling for fairly uniform treatment—a problem that could not be effectively controlled by the states and localities. Prior to 1933, the economic system had become increasingly national in scope without a corresponding increase in the scope of the activities of the Federal Government. The assumption of primary responsibility for providing unemployment relief must be viewed as one of the respects in which the Federal Government, since 1933, has been assuming the new powers and functions which the economic situation demands. Federal work-relief policy has endowed work-relief expenditures with new economic significance. From its initial function of *alleviating* unemployment, work relief has taken on the added function of serving as a stimulus to economic activity in order to *reduce unemployment*. Since the Federal Government assumed the dual objective of providing unemployment relief and of deficit spending to induce recovery, it has found that work relief is the most practicable single instrument for accomplishing both ends since unemployment and relief needs expand at the same time that the economic necessity arises for an increase in the volume of public expenditures.

With the advent of the New Deal, the problem of unemployment was still regarded as a strictly cyclical phenomenon. The idea of "emergency spending" was in the ascendancy—such spending was intended to cushion the shock of depression until recovery measures and natural forces initiated an upswing. By 1935, work-relief expenditures took on a more permanent aspect and became "relief-and-recovery" expenditures; they were to expand and contract inversely to the volume of private expenditures. More recently, the recovery problem has come to be regarded increasingly in noncyclical terms; an analysis in terms of the stagnation of investment opportunities has gained in prestige. Speculation concerning future trends has come to run in terms of the possibility that work relief and public works will be able to absorb a considerable proportion of surplus savings. The prospect for the persistence of high levels of unemployment indicates that public expenditures will continue to play a prominent role in the economy. The discrepancy between savings and investment constitutes an economic necessity for such expenditures. The economic significance of the vast work-relief programs organized since 1933 must be judged in light of this deficiency of investment. A compensatory fiscal policy is a necessary corrective to the defects of the economic system. The problem of increasing employment and national income involves taking steps to counterbalance excessive declines in the volume of private disbursements.

Further study and experience are necessary before it will be possible to determine the extent to which relief-and-recovery expenditures can meet the problem of excess savings, deficient investment and purchasing power, and high levels of unemployment. In sufficient volume, such expenditures constitute a major stimulant. Certain offsetting influences

not necessarily inherent in a compensatory fiscal policy have attended the New Deal experience. With the disappearance of mutual hostility and distrust between business and Government, and the establishment of business confidence in the economic soundness of properly regulated relief-and-recovery expenditures, the maximum effectiveness of a public-spending program will be demonstrated. But sufficient experience has accumulated to indicate that relief-and-recovery expenditures of the volume achieved in recent years are insufficient in themselves to induce full recovery. Reliance must be placed upon the coordinated use of a variety of instruments: banking policy, tax policy, labor policy, and price policy as well as fiscal policy. More attention must be given to selective spending, i.e., to the timing, direction, and volume of deficit spending. More especially, public spending must be supplemented by a policy that is calculated to increase private investment.

Any evaluation of public-spending policy must start from the realization that a substantial volume of public expenditures continues to be necessary for relief purposes. This necessity has been adapted to recovery policy. Success of the policy has been limited by the paucity of investment opportunities and by the failure of Government to encourage investments. Should such opportunities fail to develop in sufficient magnitude, it seems likely that work relief will become a permanent policy, both as a relief and as a recovery measure.



## A STUDY OF A SEROLOGICAL PRINCIPLE FOR THE SEPARATION OF TYPHOID AND DYSENTERY ORGANISMS FROM MIXTURES OF BACTERIAL SPECIES

by RALPH BENSON HOULIHAN •

There are few fields of bacteriology which do not offer the difficult problem of isolating pure cultures of a desired bacterial species when it constitutes the minority of the cells in a natural mixture of microorganisms. This problem has stimulated the development of many ingenious methods of enrichment and "selective" inhibition, each adapted as closely as possible to the requirements of the particular field of inquiry. However, there are many situations, especially among closely related species, in which selective enrichment cannot be made to favor the less prolific species and in which "selective" bacteriostatic action inhibits to some degree the species to be isolated.

The numerous enriching and plating mediums devised for the recovery of typhoid, paratyphoid, and dysentery organisms from feces indicate the widespread recognition of this problem. The recovery of *Eberthella typhosa* and *Shigella flexneri* from mixtures with colon organisms and from feces was chosen for study because it is an important example of the general problem.

A number of methods have been devised to facilitate isolation of pathogens from feces. Early investigators, such as Altschuler and Schepilevsky, added potent antityphoid serum to the bacterial suspensions and collected the agglutinated typhoid organisms either by filtration or by centrifugation. This method failed when the typhoid organisms were present in too few numbers to be agglutinated, and when many closely related species were entrained non-specifically in the agglutinates. Chemical methods of concentration and methods utilizing the rapid motility of the typhoid organisms were not widely accepted because of their unreliability.

Two possible methods of isolating typhoid and dysentery organisms from mixtures of bacterial species were investigated. They were designated as "capillary migration" and "differential recentrifugation." These procedures were based on established serological phenomena.

Friedberg and Putter, showing that bacterial species vary in their ability to migrate up strips of filter paper immersed as sterile wicks in the bacterial suspensions, noted that typhoid organisms possessed an innately superior migration rate. Bedson and Bland observed that

• B.S. 1944, Trinity College; M.S. 1938, Connecticut State College; Ph.D. candidate June 12, 1949.

sensitization of red blood cells, viruses, and bacteria interfered specifically with the migration of these particles up filter strips.

In a serological study of inagglutinable strains of bacteria, Mudd showed that sensitized bacteria, when packed by centrifugation, tend to remain in clumps on resuspension.

The question arose whether or not these phenomena of "capillary migration" and "differential recentrifugation" would occur with the same effectiveness and specificity in the presence of mixtures of different types of bacteria. That is, will unsensitized bacteria (such as pathogenic bacteria) migrate normally from mixed suspensions, while the sensitized organisms (e.g., coliform or fecal bacteria) are excluded from the upper sections of the strips. Similarly, following resuspension, will the dispersed, unsensitized pathogenic bacteria settle less rapidly upon recentrifugation than the sensitized, clumped coliform bacteria. An answer to these questions was sought by the use of mixtures of pure cultures of typhoid or dysentery organisms and colon organisms. Observations were also made on fecal suspensions to which typhoid organisms had been added.

The mixtures were prepared by combining dilutions of 24-hour broth cultures of each type of organism in such amounts as to provide the desired ratios. The "synthetic" typhoid fecal material was prepared by adding measured amounts of a typhoid broth culture to a 2 or 10% emulsion of normal feces. Torrey has shown that the natural flora of typhoid and normal feces is similar.

The antisera used were: anticoli (motile strain H-23) and "antifecal." The "antifecal" serum used to sensitize the normal fecal bacteria was produced by immunizing rabbits with a formalized fecal suspension pooled from four normal persons. Typhoid and dysentery agglutinins were absorbed from the anticoli and antifecal serums in the usual manner. Endo's medium was used throughout these experiments because it did not influence the growth of the coliform organisms and permitted differentiation between the pathogenic and coliform colonies.

The general plan of experimentation may be outlined as follows:

- a) Preparation of mixtures of pathogenic and colon organisms, or suspensions of "synthetic" typhoid feces
- b) Inoculation of Endo's medium with the original mixtures to ascertain the initial proportion of the organisms in question
- c) Addition of antiserum against the organisms to be excluded
- d) Attempts to separate the non-sensitized from the sensitized organisms by capillary migration or differential recentrifugation

In the preliminary investigations it was found that a number of factors influenced the differential rise of bacteria, i.e.: depth of immersion of filter paper, time of immersion, period of contact with the solid medium,



kind of filter paper, and condition of solid medium. The procedures producing optimal separation were adopted.

The capillary migration method was carried out by immersing the tips of various sterile absorbent papers in the sensitized and unsensitized suspensions so that the fluid and bacteria might migrate upward. Two different methods were used. In the earlier method, 1 x 12 cm. strips of paper were cut into 1 cm. lengths, each of which was allowed to fall on a section of Endo's medium in a petri dish. Each section of paper was gently wiped over its section of the plate and then discarded. In the second and more satisfactory method, 4 x 15 cm. strips were used. After the rising fluid had reached the desired level, the bottom and top sections were cut off, and the remaining strip of paper (4 x 8 cm.) was laid on the sterile plating medium. After 15 to 30 minutes the strip was removed and placed with the opposite face downward on a new plate for the same time interval, the strip being removed before final incubation of the plates. Direct streakings were made from the original suspensions on plates of Endo's medium, and the ratio of the pathogenic organisms to coliform organisms was compared to that obtained by capillary migration.

The differential recentrifugation technique was carried out by first centrifuging the sensitized and unsensitized mixtures for 30 minutes to 1 hour to secure packing of the organisms. The sediment was resuspended by aspiration with a sterile pipette and the suspensions recentrifuged. At the end of 5, 10, and 15 minutes of recentrifugation the supernatant fluid of each tube was streaked on plates of solid medium. The recovery of the pathogenic organisms after each interval was compared with that produced by a direct streaking of the original suspensions.

In the investigation of capillary migration it was found that the typhoid organisms migrated more rapidly than the colon organisms in saline. When the colon organisms were excluded from the filter strips by sensitization, the typhoid organisms were recovered from higher levels of the strips. Using fecal suspensions containing added typhoid organisms, it was learned that the antifecal serum was effective in inhibiting the rise of the fecal bacteria and in producing a favorable recovery of typhoid organisms. Since the percentage of typhoid organisms recovered from the fecal material was not so high as that recovered from the pure culture mixtures, the ultimate value of the antifecal serum must be judged after further experience. Dysentery organisms did not possess the superior innate migration of the typhoid organisms; however, sensitization of the colon organisms favored the recovery of dysentery organisms as compared with direct streaking.

Differential recentrifugation was superior to capillary migration in separating dysentery organisms from pure culture mixtures with colon organisms, but proved more effective in separating typhoid organisms.



This recovery was enhanced by the suppression of colon organisms which had been sensitized. The separation of typhoid organisms from "synthetic" typhoid feces was also improved by differential recentrifugation in the presence of saline or antifecal serum.

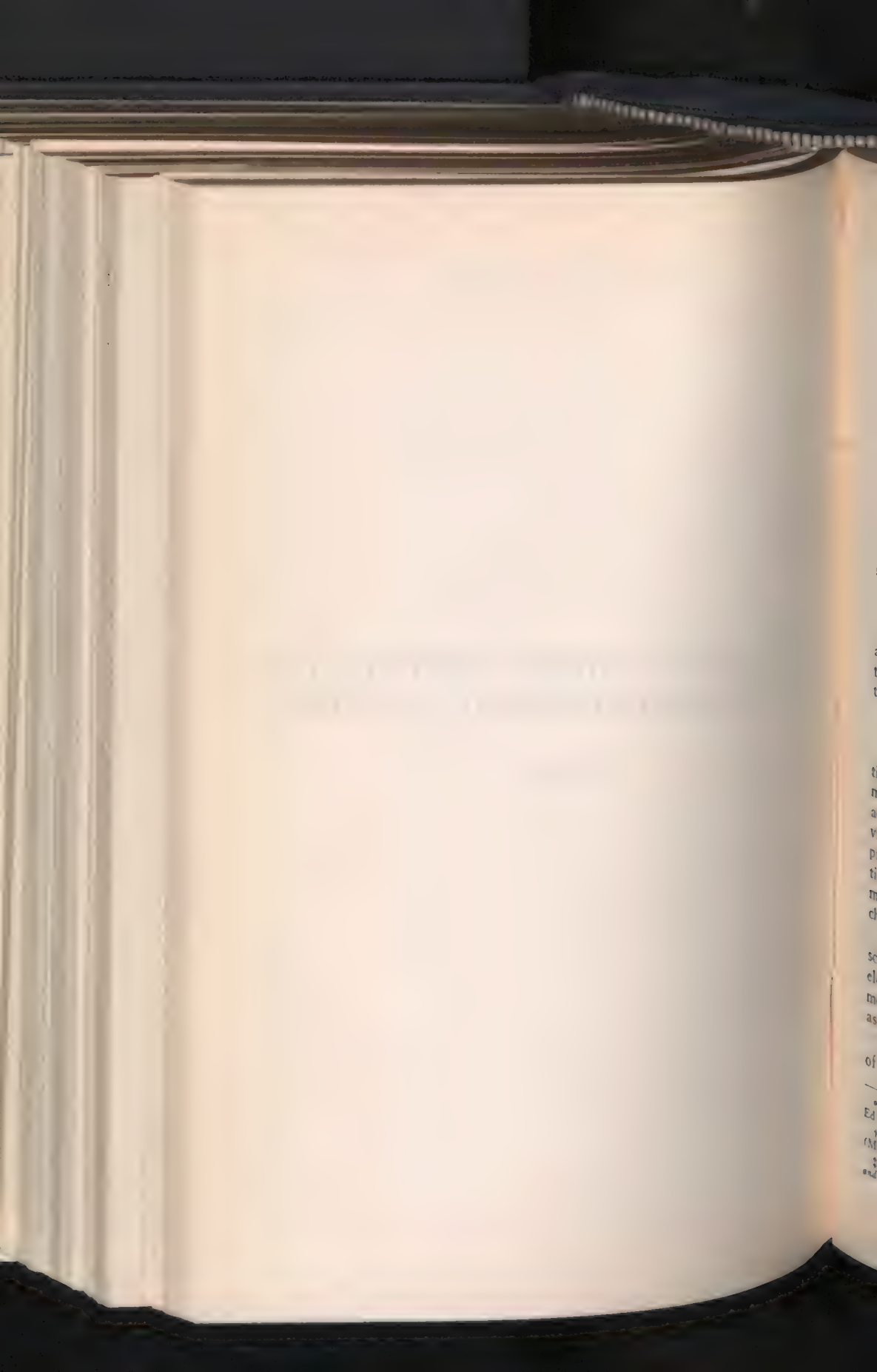
The reasons for the innate superior migration of the typhoid organisms remains obscure. It was shown that motility did not influence the rise of the organisms, and the importance of specific gravity, zeta potential, and surface tension is difficult to ascertain. In our experiments, the fact that the typhoid organisms migrate more successfully in dry than in wet strips suggests that the sweeping movement of the water through the capillaries plays an important role in the transport of the typhoid organisms. The more rapid sedimentation of the sensitized, clumped bacteria in differential recentrifugation can be explained on the basis of Stoke's law. In a study of the centrifugation of unsensitized mixtures it was noted that the typhoid organisms tended also to resist centrifugal forces. It is possible that the innately superior migration rate of the typhoid organisms and their relative resistance to centrifugation might be explained by application of Stoke's law.



SUMMARIES OF THESES SUBMITTED FOR  
THE DEGREE OF DOCTOR OF EDUCATION

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## THE EFFECTIVENESS OF THE TRAINING SCHOOL IN THE EDUCATION OF FIFTH AND SIXTH GRADE CHILDREN

by JANE MORROW CARROLL\*

The training school of the teachers college has received severe criticism. Its critics allege that the quality of instruction in these laboratory schools is not so high as that received by pupils enrolled in the public schools. They blame the practice of student teaching for this inferiority. In order to determine the validity of this criticism directed against the educational product of training schools maintained in connection with the state teachers colleges, this investigation of the achievement of training school pupils was undertaken.

### THE PROBLEM

The specific purpose of this investigation was to study the educational achievement of fifth and sixth grade pupils in the various types of training schools found in state teachers colleges to determine the effectiveness of the training school in the education of children.

### RELATED STUDIES

Many comparisons of student achievement have been made. The educational product of rural and urban schools has, perhaps, been studied most comprehensively. There have also been comparisons of the school achievement of children from different racial, social, and economic environments, and evaluations of the results obtained by various classroom procedures, techniques, and instructional methods. However, comparatively few studies have been undertaken to determine how the achievement of training school pupils compares with that of public school children.

In 1924, Heilmant compared the achievement of pupils in the training school at Colorado State Teachers College, Greeley, with that of seven elementary schools in Logan County, Colorado. He reports that the mean accomplishment ratio of the seven elementary schools was 103.5 as compared with 104 for the training school, an insignificant difference. Ludeman† during the 1926-27 school term made a comparative study of the work done by children under practice teachers with that done by

\* B.S. 1920, Kansas State Teachers College, Pittsburg; A.M. 1927, Columbia University; Ed.D. conferred February 22, 1930.

† J. D. Heilmant, "The Child's Loss Due to Student Teaching," *School and Society*, XXI (March 7, 1925) 296.

‡ W. W. Ludeman, "Do Pupils Lose Under Practice Teachers?" *Educational Administration and Supervision*, XIV (February, 1928) 101-4.

children under regular teachers in Springfield, South Dakota. On the basis of his findings he concluded "that pupils do not lose by being taught by practice teachers provided the proper control of cadet work is worked out".

In the fall of 1929 Malott\* began a study to find, by means of intelligence and achievement tests, the effect of student teachers upon the progress of pupils in the rural practice schools of the River Falls, Wisconsin, State Teachers College. He measured only achievement in reading and arithmetic, and found a slight but insignificant difference in favor of the practice schools.

Seamster and Davist conducted an investigation to compare the achievement of pupils in the elementary training school with that of the public school pupils of Madison and Watertown, South Dakota. They report that, in achievement, the public schools have a slight advantage but add that the similarities between the training school and public school groups greatly exceed the differences.

Sister Rayneria Willison‡ compared the achievement of elementary school children, instructed by student teachers, with that of children taught by regular teachers, and found a close correspondence in the scores of the two groups, although the scores of the training school group were slightly higher.

In January 1922, in connection with a state survey, the scores made on standard tests administered to pupils in the schools of Indiana, were compared with scores made on the same tests by pupils in the training school of the State Normal School at Terre Haute, Indiana. The results of this comparison were summarized as follows:

The fifth grade of the training school is superior to the public schools in all tests except spelling; the seventh grade is superior in all but spelling and "fluently" in history; the eighth grade is superior in all but spelling, addition, and multiplication. In case of addition the inferiority is only one-tenth point.§

Elsen¶ also reports similar achievement scores on standardized tests administered to pupils under cadet and regular teachers.

It is evident that previous studies do not reveal any significant lowering of achievement when pupils are instructed by cadet or practice teachers.

\* James I. Malott, "A Comparison of the Achievement of Pupils in Practice and Non-Practice Schools," River Falls State Teachers College Studies in Education, XVII, 6-12 (November, 1931), River Falls, Wisconsin.

† F. C. Seamster and R. C. Davis, "The Efficiency of Training School and Public School Pupils," Educational Administration and Supervision, XVII (March, 1931), 224-31.

‡ Sister M. Rayneria Willison, "A Study of the Achievement of Elementary School Children Who Were Taught by Student Teachers with Children Who Were Taught by Regular Teachers," (Unpublished master's thesis, Creighton University, Omaha, Nebraska, 1931).

§ E. L. Welborn, "Achievement Tests as Applied to Training School Pupils," Educational Administration and Supervision, LX (September, 1923), 188.

¶ A. P. Elsen, "Teacher Training That Benefits Both Teachers and Schools," National Schools, VIII (October, 1931), 49-52.



However, the writer felt justified in undertaking the present study for the following reasons:

1. The study includes a larger number of cases than the majority of similar studies.
2. The data are not confined to any certain locality, but represent samplings from various parts of the United States.
3. An attempt has been made to evaluate various training school plans of organization by measuring pupil achievement.
4. The comparisons of pupil achievement are more detailed, for instance, they include a comparison of achievement in the separate subjects of the elementary school curriculum.

#### SOURCES OF DATA

The fifth and sixth grades were selected for comparison for two reasons, (1) the sixth grade is the culminating grade of the elementary division of training schools, and (2) pupils enrolled in the fifth and sixth grades have usually attended their respective schools for a period of time long enough for the efficiency of the system to be demonstrated by their achievement.

Various kinds of data concerning the educational achievement of fifth and sixth grade pupils were secured as follows:

1. Pertinent information concerning the type, organization, and administration of the training school
2. The preparation and supervision of the teachers concerned
3. Pupil scores on the *New Stanford Achievement Tests*
4. The ages, grades, and sex of pupils

#### THE PROCEDURE

This study embraces two series of comparisons, (1) a comparison of the scores of a sampling of 771 fifth and sixth grade training school pupils on the *New Stanford Achievement Tests* with the grade norms for these tests, and (2) a comparison of the achievement of a group of 106 training school pupils with that of a group of public school pupils having comparable social and economic backgrounds.

The test scores of 447 fifth grade and 494 sixth grade pupils in the laboratory schools of twenty state teachers colleges located in thirteen states were considered. However, since only parts of the *New Stanford Achievement Tests* were administered in some of the training schools, the total achievement of only 359 fifth grade and 412 sixth grade pupils was compared with the public school norms. In the second part of the study the achievement of pupils in the training school at Pittsburg, Kansas, was compared with that of 49 fifth grade and 57 sixth grade pupils in the Lakeside School, one of the units of the public school system of Pittsburg.

## THE LIMITATIONS OF THE STUDY

The present study is subject to several well-defined limitations:

1. It is based exclusively on the performance of pupils in the fifth and sixth grades. Therefore the findings of this study, concerning the relative effectiveness of the training school, cannot be expected to hold good, *a priori*, for grades above the sixth or below the fifth.
2. Standardized achievement tests fail to measure many of the objectives of instruction. Conclusions of the study must be based on the assumption that disregard of the intangible outcomes of instruction will deal no greater injustice to one type of school than to another.
3. Regional achievement test norms were not available. Because of this it was impossible to evaluate achievement in individual training schools, in terms of the public school achievement of the particular sections represented. Just as the results of tests of mental ability differ considerably from community to community,\* so achievement test-results vary among schools as a consequence of geographical, economic, and industrial conditions.
4. In this study the groups compared are not equated on the basis of mental ability. The absence of intelligence-test data for the training schools makes it impossible to take into account the quality of pupil material in comparing the efficiency of the training school and the public school. With respect to this factor, the writer assumes that a sampling of training school pupils is comparable to a sampling of public school pupils.

## THE SUMMARY OF THE FINDINGS

The major findings of the study, subject to the limitations mentioned, are as follows:

1. In the majority of training schools, affiliated with state teachers colleges, student teachers participate in classroom instruction. Although the supervising or critic teachers in these schools are well-qualified in terms of training and experience, student teachers, as a rule, have little previous teaching experience before the assumption of teaching duties in training schools.
2. The type of training school has little effect upon the achievement of the pupils.
3. Although the mean chronological age of fifth and sixth grade training school pupils is considerably less than the mean age of pupils enrolled in the corresponding grades of public schools,† the mean achievement of training school pupils is substantially the same as the mean achieve-

\* Rudolph Pinner, *Intelligence Testing*. New Edition (New York: Henry Holt and Company, 1919) 245-50, 270.

† These differences between mean chronological ages and the grade norms are: fifth grade, 12 months; sixth grade, 7 months.

ment of public school pupils, when measured by the *New Stanford Achievement Test*.

4. In comparing the scores of tests administered to fifth and sixth grade pupils of the training and public schools in Pittsburg, Kansas, it was found that the distribution of achievement test scores paralleled the distribution of mental test scores.
5. Comparison\* between training and public school pupils in Pittsburg, Kansas, reveals that neither the public school nor the training school is securing achievement commensurate with the mental ability of the pupils enrolled.
6. The training school groups show a statistically significant inferiority in spelling achievement. Achievement of the training school group in history and civics, on the sixth grade level is markedly below the norm. There are no significant differences in achievement in other subjects. In relation to the norms, the mean achievement of training school pupils is highest in reading, language usage, and arithmetic.
7. Distributions of scores made by the training school pupils on six of the ten tests included in the *New Stanford Achievement Tests* are negatively skewed, thus making the median greater than the mean. Although the mean achievement of the training school pupils sometimes fails to reach the norm, the scores of 50 per cent of these pupils equal or surpass the grade norm.

#### CONCLUSIONS

The findings secured from both series of comparisons undertaken in this study warrant the following conclusions:

1. According to scores made on the *New Stanford Achievement Test*, the child who attends the training school is not penalized with respect to educational achievement. The attainment of the underage training school pupil is virtually equivalent to that of the older public school pupil working at the same grade level. However, it is impossible, in the light of the data presented, to determine whether superior mental ability or competent instruction is the chief causal factor responsible for the training school achievement.
2. The lack of experience and advanced training on the part of the practice teacher is offset by the superior organization and supervision of instruction in the training school.

\*The mean educational quotient of the training school fifth grade group is 105. of the sixth grade, 105.



## HIGHER EDUCATION UNDER MARYLAND PROTESTANT DENOMINATIONAL AUSPICES, 1780-1860

by VERA ESTELLE MORRISON •

This study is concerned with the history of certain institutions of higher learning, which, between 1780 and 1860, were under Maryland Protestant denominational auspices, either through direct control or denominational membership.

Four Protestant denominations exercised some influence on higher education during the period under discussion, namely, the Methodist, the Protestant Episcopal, the Presbyterian, and the Lutheran. The institutions under the auspices of each of these denominations were as follows:

Methodist.—Cokesbury College; Asbury College; Baltimore Female College

Protestant Episcopal.—College of St. James; St. Timothy's Hall; Ingle-side Female Seminary; Barleywood Female Seminary

Presbyterian.—New Windsor College; Mount Hope College

Lutheran.—Hagerstown Female Seminary; Luthersville Female Seminary; Pennsylvania College; Gettysburg Theological Seminary

*Sources of data.*—Data for the study was obtained from the Archives of Maryland; newspapers of the period 1780-1860; census reports of the United States; catalogues of the educational institutions; and the periodicals, constitutions, minutes, and proceedings of the Methodist, Protestant Episcopal, Presbyterian, and Lutheran churches.

*Findings.*—The study of higher education, under the auspices of the four Protestant churches of Maryland between 1780 and 1860, shows that all of these churches were faced with common problems, namely: a belief among certain groups of all denominations that great doctrinal laxity was creeping into the church; a lamentable shortage in the supply of clergymen; and a great need to keep religion in education.

When we compare these institutions with respect to (1) organization and control, (2) requirements for admission, (3) curricula, and (4) physical equipment, we find the following information:

### (1) Organization and Control

- (a) In formulating their organization for the first college, the Methodist Episcopal bishops drew up a "Plan" in which it was clearly stated that the administration of the college was under "the presidency of the bishops of the church."

• B.S. 1904, Union College. A.M. 1911, University of Maryland; E.D. conferred February 22, 1919

- (b) The Protestant Episcopal Church, in the report of the convention of 1837 in which the establishment of colleges and seminaries was requested, voted to place these institutions under the care of a board of education to be elected by the diocese, the Bishop to be ex-officio president of the board, and the principal of the college, a member. At the time of incorporation, a board of nine trustees, including the Bishop and principal, all members of the Protestant Episcopal Church, was given the entire management of the college.
- (c) No college in Maryland was directly under Presbyterian synodical control during the period included by this study. Encouragement was given, however, to ministers to establish schools. Rigid control by a Board of Education was exercised over the theological education of ministers. This control was equally enforced whether the education was carried on in the theological seminary or privately in the minister's study.
- (d) The rigid control exercised by other church boards and conferences was insignificant compared with the ironclad regimentation practiced by the Lutheran Synod. The Board of Directors employed the professors and prescribed the course of instruction. The professors were required to submit to the Board any important changes they might desire to make in the prescribed courses. In addition, the Board required an oath of loyalty from each member of the faculty.

## (2) Requirements for Admission

An almost universal requirement for admission to church colleges was a testimonial of good moral character. Here central tendencies end. At Cokesbury College, only those students were admitted who would agree to complete their education at that institution. Gettysburg Theological Seminary accepted students from every denomination, but required a promise of regular attendance at some recognized church and an agreement to obey, attend to, and carry out the rules of the Seminary. At Pennsylvania College, students transferring from other institutions were required to furnish certificates of honorable dismissal. Both Gettysburg and Pennsylvania demanded probationary periods before granting students formal matriculation.

## (3) Curricula

Religious education in the early nineteenth century was regarded chiefly as a process of storing the student's mind with a varied assortment of information upon which he could draw in future years as the occasion might demand.

Since the Bible held an important place in the curriculum which was determined largely by church dogmas, Latin, Greek, and Hebrew, as the

basic languages, were emphasized in all religious education. English, natural science, and Ancient History were subjects common to most colleges.

All colleges required the traditional classical curriculum, but there were occasional deviations therefrom. For example, the College of St. James, and St. Timothy's Hall, both Protestant Episcopal institutions, offered courses in constitutional law. Applied astronomy and practical mechanics were incorporated in St. Timothy's Hall. Cokesbury and New Windsor offered courses in agriculture. Mathematics from algebra through calculus was given by all of the colleges with the exception of Cokesbury.

The female seminaries substituted modern languages and "ornamental branches" for the classical languages and mathematics. The Protestant Episcopal colleges offered no modern language because of the conviction that the ancient languages were the instruments for the development of critical scholars and thinkers.

#### (4) Physical Equipment

The buildings of the early colleges were relatively large, usually of brick or stone, three or four stories high, and with very large rooms. One building usually housed recitation rooms, library, and dormitories.

The library materials found in these early schools are of some interest. Baltimore Female College had 2,800 volumes; the College of St. James had 500 volumes and a gift of 10,000 volumes from the Bishop; St. Timothy's Hall possessed 3,000 volumes; and Gettysburg Theological Seminary with 7,000 volumes, possessed the largest theological library in the United States. Pennsylvania College had a collection of 23,850 books.

The equipment in these institutions of higher learning seems meager when judged by modern standards. Indeed, even the possession of maps and globes was deemed of sufficient importance to warrant extra tuition charges.



## A SUGGESTED PROGRAM OF GUIDANCE FOR MARYLAND

by ROBERT FLOYD CROMWELL •

Increasing emphasis on guidance in education has made schools desirous of knowing how to initiate and organize a guidance program. During the past two years the state of Maryland has been developing its program of guidance through selecting and adapting to its needs some of the more accepted practices in use in other states. In addition to the adaptation of the more accepted practices, patterns of procedure for many phases of the guidance program have been developed through projects in selected high schools of the state. These projects were tried out during one school year; then evaluated and revised. The following year they were repeated. The results of these projects, as carried out under the revised procedure, are presented in this study. The material presented here is designed to help those schools in Maryland that are new in the field of guidance and are wondering what they should do, and how they should go about doing it. While the materials were developed specifically for Maryland, they should be of use to a number of other schools that are attempting to develop a program of guidance.

The problems of the youth of Maryland have increased with the diminishing of job opportunity. The transition from secondary school to college, school, or job has become increasingly difficult. All of the varied problems which might be termed youth problems, when reduced to their lowest common denominator, can be stated in one ever-pressing question—"Where can Maryland youth find satisfying work so that they may take their rightful places as useful members of adult society?"

Guidance in the public schools of Maryland will not alone solve the problem; for there are too many operative factors over which the school has no control. That fact should be recognized by the educators of the state, but not in a spirit of futility. Recognition of this fact should call for a definite coordination of all agencies in a community.

In developing the program in Maryland, guidance has been considered a subsidiary service of the school, designed to make more effective all that the school does in its educational program. It is suggested that the entire program of the school should be carefully analyzed for guidance possibilities as a first step in inaugurating a program of guidance. Extending and improving those guidance activities in which the school is now engaging seems a logical next step for any school interested in developing its program. A checklist of minimum essentials for a guid-

• A.B. 1923, Western Maryland College. Ed.D. conferred June 12, 1940.

ance program has been included. There has been a definite attempt to avoid stating standards that are as yet quite controversial.

Because most of the high schools in Maryland are small, many of the services of guidance will of necessity be performed by the classroom teacher and the principal. For the sake of emphasis, the idea that each person on the staff has definite guidance obligations, has been repeated in different form in several places in the study. The obligations will vary in number and kind according to the personality, training, and ability of the individual members of the staff. A suggested division of responsibilities is given, based on the premise that those areas of guidance which require specialized knowledge and training should be delegated to the staff member best qualified to handle them.

The type and extent of guidance activities in Maryland will vary according to the programs undertaken and the stage of development of these. However, in the different schools, there are a number of basic guidance activities which should become a part of every program. Additional activities and materials are discussed from the standpoint of their possible contributions to guidance.

One of the first needs in Maryland in inaugurating a program of guidance is to provide an adequate individual inventory for each pupil. No staff should assume that it can mentally record pertinent information about the pupils of the school. In the interest of accuracy and the continuity of records essential, some plan of systematically recording information will need to be provided in each school in order to avoid a rush of work at the end of the year when teachers are tired and busy. After provision has been made for the clerical work of the inventory, there will need to be some definite effort on the part of the principal or counselor to give to the other members of the staff an understanding of the uses to which the inventory may be put.

A most important part of the inventory would be the test data that accumulate. Extreme caution needs to be exercised to see that test data do not assume undue importance in guiding the pupil. Such data constitute a part of the picture, but not the whole picture. Schools in Maryland should avoid those tests which must be given and interpreted by specially trained individuals. Many achievement, intelligence, and aptitude tests can be given successfully in the average school by any interested member of the staff. The selection of such tests requires the aid of those better trained in this field than the average teacher. Such selection should take into consideration both immediate and long-term purposes. After the selection and administration of the test, ample provisions must be made for recording the results so that they may be useful for future reference. A plan of recording the results of all tests on a single percentile chart will meet the needs of most schools. For a number of pupils who are planning careers which require highly specialized abilities, the



available test data in nearly all schools will need to be supplemented by additional tests to be given by other agencies in a position to do specialized testing. For all pupils, test data can be of value in course selection if adequate criteria are developed. Course of study tests can be an important part of test data. The making of such tests also provides opportunities for professional growth.

Critical periods in a guidance program occur when a student must make some definite transition—from home to school, from elementary to high school, from high school to college. Each period of transition, if well provided for, requires preparation of the individual by the "sending agency" before the transition is made. The "receiving agency" will have the obligation of orienting the individual to the new situation as quickly and effectively as possible. This preparation for the next step, and orientation into the new situation after the step has been taken, requires planned cooperation between the "sending" and "receiving" agencies. There is need for an exchange of adequate information between schools in the form of records, handbooks, or similar materials. Orientation to a new school situation requires provision for helping the new student to understand the regulations and the reasons for their existence. New students need specific help in mastering new materials.

An effective homeroom organization may be the best agency within the school for orienting incoming pupils to the new school situation. In this connection the homeroom group and the sponsor should be selected on the basis of other criteria than administrative convenience. Pupil adjustment should be the chief function of the homeroom. Activities in the homeroom may be numerous and varied but each should serve some useful purpose. The school should avoid homeroom activities which require specialized knowledge and training on the part of the sponsor and those which require special abilities or financial resources on the part of the pupil.

The homeroom teacher should assume the obligation of imparting occupational information only insofar as it applies to his subject as a classroom teacher. Occupational information is fundamental in a program of guidance as it is of prime importance in making an intelligent vocational choice. The school can secure occupational information from occupational surveys of its own community and so build up a file of occupational information. The school can also make available to its pupils occupational information through units of instruction in the various subjects, field trips, occupational group conferences, and assemblies.

While occupational information is fundamental to a vocational choice, educational information is equally important. Students must be aided in the wise selection of courses within the school, and in the selection of training opportunities beyond the school. This educational guidance should consist of adequate information about educational opportunities as



well as the study of pupil limitations and potentialities. To harmonize these factors successfully a good counseling service is necessary.

Extra-curricular activities have definite contributions to make to a guidance program in Maryland if the administration is aware of their possibilities. They are of value in a general way in that they give the pupils opportunities to develop leadership, poise, ease in social contact, and group cooperation. However, they will not make a real contribution to guidance unless they are organized for such purposes.

Counseling is the heart of any program of guidance. There is no substitute for individual counseling in any program of guidance. Other provisions may be made for some aspects of the counseling program, but all guidance activities, if they are directed toward any definite goal, are most useful in providing background for individual counseling. While there may be some difference of opinion as to the most productive time for counseling, most school people agree that the service should be available for all pupils. However, availability alone will not suffice. Some plan whereby systematic counseling for all pupils becomes a reality is most desirable.

Since the success of counseling service depends so much upon the qualifications of counselors, they should be selected with great care. Both personal and professional qualifications should be considered. Personal qualifications can best be determined by thinking of the prospective counselor in terms of success as a teacher. Professional qualifications should include training as well as experience. Training should include at least one course in each of the following: principles of guidance, counseling, tests and measurements, mental hygiene, principles of vocational education, and problems of personnel in business and industry. Experience should include a minimum of three years of successful teaching experience and one year of work experience.

The counselor, because of limited time and resources, is not able to do much direct placement; but should devote his energies to those activities which might be termed as subsidiary to direct placement. He should inform pupils about the functions of the State Employment Service, and provide the necessary information needed by the Service. The counselor should see that pupils are trained in the techniques of job getting. After placement the contact with the school should not end abruptly. There should be some attempt to follow-up the worker on his job. If the counselor does not have sufficient time for this activity, the aid of the vocational education teachers may be enlisted. Aside from the numerous activities of the counselor, as indicated above, his most important service is the administration and coordination of the guidance program.

The extent and type of organization for guidance in Maryland depends upon the size of the school and the personnel resources available. In the

smaller schools many guidance services need to be performed by the principal. In schools of medium enrollment a guidance committee, carefully selected, can perform many of the functions of guidance. For the school with an enrollment of over six hundred the plan of organization should include a counselor. Whatever plan of organization for guidance is adopted, it should make satisfactory provision for articulation, orientation, occupational and educational information, personal and social problems, individual inventories, counseling, placement, and follow-up studies.

## A TRANSITIONAL URBAN COMMUNITY AND ITS EDUCATIONAL IMPLICATIONS ON AN ELEMENTARY SCHOOL LEVEL

by ROBERT WENDELL EAVES\*

The primary purpose of this study is to obtain a realistic and detailed knowledge of life in an urban community for basic consideration in planning a more effective elementary school program. The specific educational administrative unit chosen for investigation is the Thomson School District in Washington, D. C. More particularly the study is concerned with the following matters: (1) the historical development of the community with emphasis on events leading to its present status; (2) the discovery of physical and cultural changes now taking place; (3) the various degrees of cultural and racial heterogeneity; (4) an understanding of the character and trend of opinions held by the residents concerning affairs of a civic nature; (5) determination of the nature and extent of present major social problems; (6) influences affecting the lives of young people in this particular social situation; (7) an evaluation of the present curriculum program of the Thomson School in the light of community needs; and (8) suggested changes to make the curriculum more functional.

The Thomson School District consists of eighty-two city blocks, including a downtown business area. It is located near the center of the city and in a zone that is rapidly becoming unsuitable for residential purposes because of the encroachment of business enterprises.

The techniques of social investigation used most frequently were personal interviews, group interviews, case studies, questionnaires, and direct observation. Other valuable data were secured from various social agencies, official files, and governmental departments.

### THE COMMUNITY AND ITS POPULATION

The community under consideration reached its height as a fine residential area after the Civil War and, until the World War, was deemed a desirable place in which to live. In the early twenties, however, residences were rapidly turned into offices or homes for tourists, clubs, and societies. By 1924, almost the entire area had been zoned for business and, at present, all but a very small section of the community is included in the first and second commercial zones of the city. Residences not zoned for commercial purposes, have been turned into low-grade rooming houses

\* A.B. 1922, University of North Carolina; A.M. 1933, The George Washington University, Ed.D. conferred June 12, 1940.



where newcomers to the city reside only long enough to select a better region in which to live.

The approach of business, and the coming of poor whites and Negroes to this section of the city, have been determining factors in influencing the departure of practically all of the old inhabitants. Interviews with a few of those remaining, most of whom are property owners, show that their dissatisfaction with the change in community life varies with the interests and characteristics of the families involved. In describing the degeneration of the area, individuals commented upon the prevalence of streetwalking, the decline of the area as a home for artists and professional people, the fall in the value of property, and the vandalism of neighborhood children.

Apartment houses, a number of which have been built in this area in recent years, cater to people with a higher standard of living than is found among most of the people in the community. However, children from such homes are far outnumbered by those from poor families.

Nearly thirteen thousand people of diverse racial and cultural backgrounds live in this area at present. Excessive geographical mobility, a wide variety of occupational interests, and other characteristics of a slum population, prevent the common interests that promote unity in community thought and action. An unusually large proportion of the population is composed of single adults. This, and other factors, account for the relatively small child population. The majority of the children have attended many schools. Less than one-half of them stay for a full year at the Thomson School.

#### SOCIAL PROBLEMS AFFECTING LIVES OF SCHOOL CHILDREN

The northern end of the School District lies in the greatest delinquency area of the city. Petty larceny and incorrigibility are common and are intensified by gang life and general community disorganization. In the five-year period from 1933 to 1938, fifty-one delinquents from this District were committed to the National Training School for Boys.

The Thomson School had 126 cases of truancy in 1937-38, and 118 cases in 1938-39. Contributing causes are parental indifference, day-time absence of parents from home, accessibility of the "vice area," recreational limitations, residential mobility, and lack of suitable clothing for school. One-fourth of the school population shows anti-social attitudes indicative of potential delinquency, stemming from abnormalities in home life and an overstimulating community atmosphere.

Vice and crime abound. Prostitution, as practiced by streetwalkers, is prevalent in this area, a total of 518 arrests having been made within the confines of the School District in the three-year period, 1936-39. Participation in the numbers game is widespread. The police precinct in which

the School is located exceeds all others in arrests for felonies and misdemeanors.

About one-fourth of the children come from dependent families among whom health conditions are poor. Many communicable diseases are almost endemic; and chronic health defects cause much absence from school. Venereal disease, tubercular, and general death rates are exceedingly high, and this area has contributed generously to the number of patients to be found at St. Elizabeths Hospital for the insane.

Overcrowding reaches its height in this section. Housing problems were created when fine old homes were converted into flats, and basements became dwelling places. Thirty-two per cent of the children on the free lunch lists live in basements. Sanitary facilities are inadequate. Rents for poor accommodations are abnormally high. About eighteen per cent of the children live in apartment houses, many of which are old, dilapidated fire-hazards.

Letters from parents daily bring to the principal's attention the conditions prevalent among dependent families. The parents of fifteen per cent of the children are on relief rolls and many other families barely eke out an existence. Traffic accidents, fear of disaster, broken homes, divorce and desertion, transiency, alcoholism, and extensive unemployment contribute to insecurity.

These social conditions present serious barriers to educational progress. They promote physical, emotional, and social instability among pupils; and present the school with a real challenge.

#### ADAPTING THE SCHOOL PROGRAM TO MEET COMMUNITY NEEDS

From the standpoint of traditional education, the Thomson School, as evidenced by various tests, compares favorably in achievement with other schools in the city and elsewhere. However, in the light of the social conditions revealed by this investigation, definite weaknesses exist in the curricular offerings. Mobility of population, crime, bad health, poverty, poor housing, lack of recreational facilities, congestion, broken homes, and alcoholism are conditions of life that must be faced by the School. These community conditions are noticeably reflected in the lives of children; and give rise to emotional, social, and physical problems. The school program ought to be adapted to meet these needs.

A good start has already been made with respect to this needed adaptation. Mid-morning lunches have been provided. Clothing has been distributed. A large number of physical defects have been corrected. Teachers are giving attention to the development of better personal habits. Remedial instruction in reading has been provided for the most serious cases. Every effort is made to brighten the lives of these children—to make them happier. Since their out-of-school environments are

characterized by extreme insecurity, the school is attempting to bring to them the feeling of security so necessary for sound growth and development. Class work has been organized to promote group loyalties and a sense of belonging. The chance to engage in creative activities has opened new worlds to many of these unfortunates.

Nevertheless much remains to be done. A wider variety of educational opportunities needs to be provided for such a heterogeneous group of pupils. In revising the curriculum careful attention should be given to the extremely large pupil turnover, and to other aspects of the community background. Since large numbers of pupils have lived previously in communities where educational facilities are meagre, a thorough-going program for remedial instruction needs to be established. A more effective health program should be organized, with special attention to personal hygiene. But more than anything else, the community needs effective programs for adult education, social service, and better housing to alleviate some of the appalling circumstances that condition the lives of these children.



## THE EDUCATION OF CRIPPLED CHILDREN IN THE UNITED STATES WITH PARTICULAR REFERENCE TO ARIZONA

by MYRTLE CHENEY MURDOCK \*

The education of crippled children in the United States is becoming more of a problem in every state since the Social Security program for the physical welfare of crippled in all the states is bringing to light a greater number of crippled children.

The purpose of this study was to investigate the educational facilities for crippled children in each of the forty-eight states as a guide to the best course of action to be taken by the State of Arizona relative to the education of her crippled children.

In evaluating the special educational advantages of crippled children in the forty-eight states it was helpful to give due consideration to size, population, and per capita wealth of the states. If attention was to be especially focused on Arizona, it was imperative that a survey be made of Arizona's handicapped children, that is, those children who are so maladjusted physically and mentally that they cannot make satisfactory progress in a regularly established public school. This procedure was necessary because a state must know what numbers of other handicapped children she has within her borders, before she can justify the expense of a state-wide educational program for any one group. It was further important to investigate the actual educational needs of the state's crippled children in order to arrive at pertinent recommendations for immediate action in the State of Arizona.

This study of the special educational advantages of crippled children in the United States is of unusual importance at this time as Senate Bill S. 1634 of 1937 or S. 759 of 1939, asking that the National Government help to provide funds for the education of all types of physically handicapped children is still before the Congress of the United States, and citizens everywhere are questioning whether or not the need is sufficiently great to warrant the passing of this bill.

### THE PROCEDURE

A study of the educational advantages of crippled children in the forty-eight states was begun in 1937, continued through 1938-39, and finished in April 1940.

A state-wide survey of Arizona's handicapped children was carried on in 1937-38, making count of the blind, or partially blind; the deaf or nearly deaf; the crippled, including the cardiac; the tubercular and feeble-minded.

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A survey of the educational needs of the crippled children in the State of Arizona was made in 1939 by writing directly to the parents of the crippled children in the state.

*Educational Advantages for Crippled Children in the Forty-Eight States.*

—Since members of Congress so often feel the need of definite research findings at important committee hearings, it was thought opportune and feasible, in collecting data on the special educational advantages of crippled children in the United States, to have the Congressman from Arizona ask one Congressman from each of the other forty-seven states for data concerning the educational set-up for crippled children in his state. Accordingly a letter seeking such information was sent to a Representative in Congress from each state.

With the cooperation of Members of Congress; the Children's Bureau; State Departments of Education; State Departments of Public Institutions; State Departments of Public Health; and State Charitable Institutions, a digest of the educational facilities for crippled children was prepared for each state.

In November 1939, two copies of each digest, of the educational facilities for crippled children in the state, were sent to each state, one to the State Department of Education, and the other to the State Department of Public Health, together with a letter asking for correction, approval, and comment. This state-by-state survey, as of December 1939 revision and addition, was made possible in its present up-to-the-minute form with the help of State Superintendents of Public Instruction; Commissioners of Health; Supervisors of Special Education; Directors of Social Security for Crippled Children; Secretaries of State Boards of Health; Supervisors of Vocational Rehabilitation; Directors of Orthopedic Services for Crippled Children; and Elementary School Supervisors.

In comparing the services of the various states for the education of their crippled children, it seemed pertinent to picture the density of population; the per capita wealth; the number of crippled children on the State Social Security rolls; and the per cent of the total number of crippled children each state had on her Social Security rolls in 1939. It was also of interest to measure, even by crude procedure, the relation between the per capita wealth of the states and the adequacy of educational facilities for crippled children in the states. It was of added interest to compare this coefficient of correlation with another coefficient of correlation that measured the relation between the density of population and the educational facilities for crippled children in the United States. The coefficient of correlation between per capita wealth in the United States and the educational facilities for crippled children is .16, and the coefficient of correlation between density of population in the United States and the educational facilities for crippled children is .40.

The chief difficulty involved in this correlation procedure was the



attempt to rank the states according to their educational facilities for crippled children from facts which came to light in this survey. In arriving at this ranking of the states, three criteria were set up:

1. The number of crippled children on the state rolls in 1939.
2. The per cent of the state's crippled children on the Social Security rolls. (Total number of crippled children estimated as three per thousand general population.)
3. Adequacy of state educational programs for crippled children. (State legislation and educational facilities considered.)

An  $r$  of .40 is low for individual prediction, but in this thesis the  $r$  indicated a general relationship. The important fact in this connection, however, is not the size of  $r$  in either correlation, but the fact that density of population is more of a determinant for educational facilities for crippled children than is per capita wealth. (The number of crippled children on the state registers has a high correlation with the population of the states.)

According to a circular letter to school administrators from the Commissioner of Education (November 15, 1937) the average current expenditure per pupil in average daily attendance in the various states was \$74.30. Of the twenty-four states below that average, seventeen\* have no legislation for the education of crippled children.

Quoting from the Report of the Advisory Committee on Education:

The great disparities among states in the support of education are not due to a lack of interest or of effort on the part of the states that provide the least support. . . . The ability of states and local communities to provide education has always been unequal. The inequality, however, has been magnified by the great changes in social and economic conditions. At the same time all of the social services, including education, have become increasingly important. . . . Individual states in most cases cannot provide adequate funds for equalization purposes.

**Arizona Survey of Handicapped Children.**—During 1937-38 an unofficial survey of handicapped children was made in the State of Arizona. The fact that Senator Hayden introduced Senate Bill S. 3004 into the Congress asking Congress to set aside four million acres of government land in Arizona, the proceeds of which were to be used for the proper care of crippled children, made this survey timely. The further fact that the State of Arizona has few statistical facts on the numbers of her handicapped children made this survey necessary in order to get at the needs of the state as regards her handicapped children. This survey was made possible by the cooperation of Congressman Murdock of Arizona, the county school superintendents, the Parent Teacher Association

\* The seventeen states below this United States average of \$74.30 are: Idaho, Delaware, Kansas, Vermont, Nebraska, New Mexico, West Virginia, Maine, Florida, Oklahoma, Tennessee, South Carolina, North Carolina, Georgia, Alabama, Mississippi, Arkansas.



tions, the high school and grade school principals of the state, the women's clubs throughout the state, the service groups, the Social Security and Public Welfare workers, the county doctors, and the public health nurses. No fees were paid. All help was gratis. The writer toured the state in the fall of 1937 speaking in favor of the Hayden Bill. This survey of handicapped children has not reached a satisfactory and comprehensive conclusion due to lack of funds, but the findings are significant enough to raise at least four questions:

1. What is the State of Arizona doing for her mentally deficient children?
2. What is the state's program for combatting tuberculosis among her children?
3. What is being done for the deaf and blind children in Arizona?
4. What are the educational needs of the crippled children in Arizona?

The first three questions are answered briefly in Chapter IV of the thesis while question four is answered by means of another state survey.

*Survey of the Educational Needs of the Crippled Children in Arizona.*—A letter was sent to the parents of each crippled child in the State of Arizona. Of the 1,020 inquiries reaching parents of crippled children in Arizona, thirty-four per cent replied with data of sufficient worth to picture the educational needs of crippled children in Arizona. Such a high percentage of parents reported need for food, clothes, treatments, braces, money, operations, dental care, and eye glasses, ignoring entirely any reference to education, that we may infer the number needing educational advantages is far greater than these replies indicate.

As to exact figures, seventy-three parents from 344 replies reported great need for schooling. Since these seventy-three reports represent twenty-one per cent of the crippled children in Arizona, we have reason to believe that at least 380 crippled children in the sparsely populated State of Arizona need help in getting an education.

#### SUMMARIES, CONCLUSIONS, RECOMMENDATIONS

*(Educational Advantages for Crippled Children in the Forty-eight States) Summary.*—Twenty-four states have state laws on the education of crippled children.

All the states now have the Social Security set-up for the physical care of crippled children.

Only twelve states had creditable programs, that is, programs acceptable to the Social Security set-up, for crippled children prior to 1936. (The Social Security Law was approved August 1935.)

More states have passed legislation for the education of crippled children since 1935 than in all the years before.

Of the twenty-four states with less than average current expenditure per pupil in average daily attendance, 1935-36, seventeen have no legislation and practically no advantages for the education of crippled children.

The curriculum in all special schools and classes follows closely the curriculum of the public schools.

The coefficient of correlation between population density and special educational facilities for crippled children equals .40.

The coefficient of correlation between per capita wealth in 1936 and special educational facilities for crippled children equals .16.

*Conclusions.*—Special educational facilities for crippled children follow the legislative action of the states relative to the education of crippled children.

The Social Security Act of August 1935 is evidently responsible for the present spurt of activity in the states toward educational facilities for crippled children.

Population density has a greater bearing on the educational facilities for crippled children than does per capita wealth.

Since seventeen of the twenty-four states with little or no facilities for the education of crippled children are also below the average for the United States in their expenditure per pupil in average daily attendance (1935-36) it is concluded that at least these states need federal aid for the education of crippled children.

*(Arizona Survey of Handicapped Children) Summary.*—The deaf and blind children are well cared for by the State School for the deaf and blind.

There is no institution for feeble-minded children in Arizona.

The tubercular children and those predisposed to tuberculosis present Arizona's greatest problem in the handicapped field.

The physical needs of the crippled children of the state are fairly well cared for by Social Security provisions.

There is no organization in the State of Arizona taking responsibility for the education of crippled children.

*Conclusions.*—Arizona should have an institution for the feeble-minded.

Arizona should give immediate care to all tubercular children whose parents are not able to do so.

The state is rather thoroughly combed for crippled children by the Social Security set-up.

The distribution of crippled children by counties in the State of Arizona follows the distribution of population by counties, the coefficient of correlation being .88.

Education and guidance are the present outstanding needs of the crippled children in the State of Arizona.

*(Survey of the Educational Needs of the Crippled Children in Arizona)*

**Summary.**—Educational needs were suggested by seventy-three out of 344 parents reporting for their crippled children. (Since seventy-three reports represent twenty-one per cent of the crippled children in Arizona, there must be at least 380 crippled children in the state that need help in getting an education.)

More parents reported physical needs of their crippled children than educational needs.

Of those vocationally rehabilitated during 1934-39 in Arizona, 59.67 per cent had higher than a ninth grade education.

**Conclusions.**—There are an estimated 380 crippled children in Arizona needing educational advantages.

The depression has so warped the vision of the needy that many of those parents cannot see the educational needs of their crippled children because of their physical needs.

Evidently the Rehabilitation set-up of the Interior Department offer their services largely to the sixteen-year-olds who are the most promising vocationally.

**General Recommendations.**—Congress would do well to pass the Pepper-Bolan Bill S. 759 so that all handicapped children in the poorer states and the sparsely settled states will have equal educational opportunities with those in the richer states and the more densely populated states.

The National Government should help to solve the tubercular problem in the Western States brought about by the tubercular transients from the East.

Arizona should establish a state institution for its mentally deficient children.

The State Department of Education is best able to make an official state survey of the educational needs of its crippled children.

Arizona should investigate the program for the education of crippled children in the state of West Virginia, where no state law relative to the education of crippled children exists but where every crippled child has a chance for an education.

If the West Virginia plan is not feasible for Arizona, the State Legislature of Arizona should give state aid to the counties, according to their need, and otherwise provide by law for the education and transportation of crippled children.

Senator Hayden and the other members of Arizona's delegation in Congress should re-introduce the Hayden Bill, S. 3004, or a revision of said Bill. Seventy-five per cent of Arizona belongs to the National Government. A few million acres of Government Land in the State of Arizona given to the state would materially help to solve the state's financial problem which appears to be chiefly responsible for the state's backward program in the education of its crippled children.



# A SUMMARY OF THE CURRICULUM REVISION PROGRAM IN CHESTER, PENNSYLVANIA, FROM JANUARY 1936 TO JANUARY 1940

by LEVERISIA LONG POWERS \*

## THE NATURE OF THE STUDY

This study is a critical description and evaluation of the curriculum revision program of Chester, Pennsylvania, as it concerned grades one through six, from January 1936 to January 1940.

The curriculum revision program was undertaken in Chester to accomplish two main purposes; namely, to provide a challenging teacher-training-inservice program, and to produce improved course of study materials. An adequate teacher-training-inservice program should involve all the teachers. Improving course of study materials should involve every phase of school life, from such administrative details as teacher assignments, daily schedules, classroom management, and purchase of supplies and furniture, to such decisions as the purpose of education, purposes and techniques of evaluation, and selection of subject matter.

The accomplishment of these two purposes, teacher training and production of course of study materials, should progress simultaneously, since they are interdependent. Study groups, production and installation procedures, and evaluative processes, set up in relation to community backgrounds and resources, resulted in a most complicated, and often precariously balanced scheme of work.

## THE CITY OF CHESTER, PENNSYLVANIA

Chester, Pennsylvania, an industrial city with a population of approximately 60,000, is situated on the banks of the Delaware River, between Philadelphia and Wilmington, about twelve miles from each. Chester's industries are diversified, and include textile, oil, steel, and transportation industries. The city is also the retail center for a large area. The population of Chester fluctuates considerably and comprises more than twenty-five nationality groups.

The schools of Chester are administered by an elected Board of Education, through the Superintendent and a central office consisting of three full time and three part time professional workers. The number of elementary pupils averages 6,000, the elementary teachers 170.

Chester's fluctuating population, its widely diversified national groups, its large percentage of low income families, its building needs, and its

\* B.S. 1931. A.M. 1933, Columbia University; Ed.D. conferred June 12, 1940.

low per pupil expenditure, all combine to form a challenging background for a curriculum revision program.

#### THE INITIATION OF THE CURRICULUM REVISION PROGRAM

The Delaware County Chamber of Commerce made an evaluation of the Chester school system in 1935 which pointed out to citizens the need for more attention to their schools.

Mr. Herman Fritz was elected Superintendent in 1934 and he sensed almost at once this need for curriculum changes, and the desire of the teachers to participate in such a program. He presented to the Board several reports which pointed out the inadequacy of the prevailing practices. The Board voted to finance a revision program and engaged Dr. H. B. Bruner of Columbia University as consultant.

#### GUIDANCE OF THE CURRICULUM CONSULTANT

Dr. Bruner began his work in Chester in January 1936. Following a study of the community and its schools, he, in consultation with a representative body of teachers, began a series of orientation lectures and initiated a program of reading and study.

The orientation lectures were based upon findings of teachers' needs and interests through use of a questionnaire. Location of specific problems was initiated by organizing small study groups in the various subject-matter fields, on all levels of instruction, and by organizing special committees to study leisure-time activities, teachers' attitudes, and to make a preliminary educational survey of Chester.

In criticism of this initial work, the writer feels that the teachers were plunged too quickly and too deeply into large problems that involved much technical vocabulary with which they were not familiar. They failed to see the practical relationship of world problems to their own classroom ills, and were apprehensive about attacking a problem that seemed so large, and so elusive. In the opinion of the writer, the teachers might have proceeded much more evenly and more happily if they had started with their own problems and proceeded to larger viewpoints.

#### THE CURRICULUM DIRECTOR IS EMPLOYED

The program was well under way by June 1936. There was a felt need, however, for a more direct attack upon the problem than was possible through the direction of a consultant who could visit the city only occasionally. It was decided, therefore, to employ a general curriculum director who would be an integral part of the system, actively engaged in supervision of teachers and instructional materials. The writer was engaged for this work and began her duties in Chester in October 1936.

### CURRICULUM TECHNIQUES

Techniques of curriculum revision included (1) organized committees, (2) planned discussion, (3) bulletins and organized reading, and (4) use of teachers' questions and replies to questionnaires.

### ORGANIZED COMMITTEES

The Committees were so organized as to allow great flexibility in groups. Frequent meetings of chairman were also held to bring about divergent attacks on common problems.

The Steering Committee has served continuously from the first period of initiation through the period of installation, and will continue to serve during all the next steps. The committee is made up of fourteen members, representing all levels of instruction, classroom teachers as well as supervisors and administrators. They have reflected desires and problems of the entire teaching staff and have acted as a clearing house for all types of problems.

The Guiding Principles and General Objectives Committee met over a period of two years, and was responsible for issuing the statements of philosophy which have been the "measuring stick" of all production groups and other curriculum activities. This committee was composed of a fluctuating number, but averaged thirty-five members. These members were volunteers who represented the entire staff.

A Sociological Committee was appointed early in the program. This committee functioned chiefly through work done by the principals in their own communities. Two main tasks were undertaken: namely, to make inventories of pupil backgrounds and needs, and to make inventories of community educational resources. These inventories were made by the teachers and were, in part, subjective. The traditional program has made no adjustment of requirements, either between pupils in the same building, or between comparable age groups from the several economic and cultural areas of the city. These inventories graphically illustrated the need of such adjustment. The listing of community resources showed Chester rich in source materials.

Subject-Matter Committees were formed to study specific needs in the various subject-matter fields. These groups stated their own problems, selected their own chairmen, and decided on their own methods of work. In addition, they submitted reports which were used the following years as materials basic to the production of new courses of study, to the purchase of books, and to the statements of underlying philosophy and objectives. Teachers took a real part in the program through this work. The results were an increased consciousness of immediate problems in relation to larger and more functional problems, an increased amount of reading and discussion, the development of key teachers for



later production groups, and the establishment of a splendid point of contact for the curriculum director.

Programming and Production Committees grew out of the original study groups. Certain representatives from each committee formed the programming committees. A gratifying amount of work has been accomplished by these groups. In connection here and below with the Social Studies, integrated units of work have been programmed and written for grades one through six. In the Language Arts, reading materials and grade assignments of books have not been specified. Method suggestions have been written to help with all types of reading situations. In Literature, programming has been completed, and a course of study issued which has great flexibility in the matters of selection of content and method. Objectives of Oral and Written Expression, and other language techniques have been issued in chart form, leaving each teacher free to work toward those objectives as she thinks best. Materials programmed in Natural Science parallel those of the Social Studies. Approximately one-third of these materials have been produced to date. It is planned to give special attention to Arithmetic during 1940-41. Music and Fine Arts have been studied in relation to their integration with the social studies units. Both these fields are now being studied by groups of teachers who have projected a separate course of study. This course of study will be related as closely as possible to meaningful experiences as they are undergone in the classrooms, but it will also include certain learnings of "art for art's sake."

#### PLANNED DISCUSSIONS

Three types of meetings have been used consistently throughout the four years of work. The subjects discussed varied in relation to the size of the group. The subjects discussed varied in relation to the size of the group. Large group meetings were planned for all teachers from grades one through twelve. These meetings were designed to keep all teachers generally interested in larger issues and points of view, and to insure that all levels and departments of instruction stayed within the frame of reference of the school problem. The meetings took two forms, lectures followed by discussion from the floor, and panel discussions. Sectional meetings were concerned with problems of primary interest to only a part of the staff. Specific problems were attacked by many small discussion groups. These groups were small enough to insure real participation on the part of each member. In addition to the three foregoing types of meetings, each building principal held frequent faculty meetings to discuss curriculum problems peculiar to his own building.

#### BULLETINS AND ORGANIZED READING

The use of bulletins was an accepted technique for keeping teachers informed and for presenting methods of curriculum construction. Bulle-

tins were issued from two sources, the Bureau of Curriculum Construction of Columbia University and the Chester central office.

Wide reading was also an accepted technique for promoting curriculum development. A central professional library was established, containing books which were purchased especially to facilitate work in progress.

Extramural courses were arranged with neighboring educational institutions as an integral part of the curriculum program.

#### USE OF QUESTIONNAIRES AND TEACHERS' QUESTIONS

One of the most significant aspects of this revision program has been the persistent effort to keep in touch with the interests and desires of the teachers. Questionnaires and teachers' questions have been among the most fruitful devices used to accomplish this purpose.

#### EVALUATION PROCEDURES

Continuous evaluation of what has been or is being accomplished is a necessary part of any revision program. Ten means of evaluating progress have been used in the Chester Program: namely, (1) appraisal of the effects of the guiding principles and general objectives, (2) the extent to which the criteria for unit construction were met, (3) the amount of teacher participation, (4) the effects of the program upon administrative policies, (5) the amount and nature of changes in classroom procedures, (6) achievement as measured by standardized tests, (7) the number of failures and the amount of over-ageness, (8) teacher opinion, (9) expert opinion, and (10) student opinion.

A translation of the guiding principles into reality is evidenced by an ever increasing use of the school plants for community activities, and activities based on pupil interests. Pupil participation in democratic living procedures is also increasing through modified forms of student government, pupil duties and responsibilities, free use of room libraries, school clubs, and participation in community sponsored activities. Further evidence of the success of the program is indicated by long-term planning, reduction of retardation, provision for group and individual activities of many types, excursions within the community, increased use of vocational education, planned use of racial backgrounds as subject matter, emphasis on self and group evaluations, and the assignment of pupils to classes in relation to future needs rather than past accomplishments.

The criteria for unit construction, as set forth in the guiding principles, were followed in all units of work developed. Source materials and activities were provided for a wide range of abilities and talents. Subject matter was selected to bring about a realization of the general and specific objectives, as selected, to conform with the scope and sequence of the whole program.

One of the most important measures of the success of a program of curriculum revision is the extent of teacher participation in all the phases of the work. Chester teachers participated in guiding the program, in planning its steps, in producing the course of study materials, in continuously evaluating their own progress; and they are still actively interested in installing new courses, selecting new books, and in formulating next steps.

Many administrative changes have been made. Yearly promotions of pupils replaced semi-annual promotions. Primary grades, with the exception of third grades in two schools, no longer follow the former departmental plan of instruction. Heterogeneous grouping has replaced homogeneous grouping. A music supervisor and a school psychologist have been appointed. Facilities for the education of backward children have been increased.

Many changes have been made in classroom procedures. Increased stress has been laid on a conscious consideration of the school as a part of the child's total environment. Greater attempts have been made to make the atmosphere more friendly, stimulating, and conducive to success. Rooms have become more attractive and pride-provoking. Teachers are more "human" and understanding.

Over-ageness has been greatly reduced. At the same time, group achievement standards in reading have been increased, as measured by standardized tests.

In summary, much progress has been made, and the curriculum revision program in Chester is well under way. Every member of the central office and of the teaching staff, however, is well aware of the fact that much remains to be done.





THE  
GEORGE  
WASHINGTON  
UNIVERSITY



FRESHMAN WEEK

September 16—October 2

1940

# PROGRAM FOR

<i>Date</i>	<i>Hour</i>
Sunday, September 15	6:00 P.M.
Monday, September 16	10:00 A.M.
	1:00 P.M.
	3:00 P.M.
	4:00 P.M.
	5:30 P.M.
	7:30 P.M.
Tuesday, September 17	10:00 A.M.
	11:00 A.M.
	12:30 P.M.
	1:30 P.M.
Wednesday, September 18	11:00 A.M. to 7:00 P.M.
Friday, September 20	8:00 P.M.
	9:00 P.M.
Saturday, September 21	10:00 A.M. to 1:00 P.M.
	9:00 P.M. to 12:00 M.
Sunday, September 23	4:00 P.M. to 7:00 P.M.
Monday, September 23	
Friday, September 27	8:00 P.M.
Wednesday, October 2	8:00 P.M.

Supper for freshmen

English placement

Scholastic aptitude

Assembly for freshmen

Association

Tea for freshmen

Association

English placement

Scholastic aptitude

Meeting of freshmen

Meeting of freshmen

General assembly

Luncheon for freshmen

Tour of University

ment Association

Registration

Women's Athletic

Interfraternity

Physical education

uled at 1:00 P.M.

Freshmen-Male

Panhellenic Tea

First day of classes

Football game

Smoker for freshmen



upper for freshmen scholarships given by Alpha Lambda Delta  
English placement  
holistic approach  
seniority for freshmen given by Women's Student Government  
Association for freshmen given by Women's Student Government  
English placement  
holistic approach  
meeting of freshmen students  
meeting of freshmen students  
general assembly of freshmen  
luncheon for freshmen by the Student Council  
curriculum of freshmen under guidance of Women's Student Govern-  
ment Association  
registration of freshmen  
women's interest party for freshmen women  
physical examination of freshmen students according to assignments sched-  
uled at the college  
freshmen Military Training admitted at fifty cents a couple)  
scholarship for freshmen women  
at day of the year  
football game at Mary's College  
maker for freshmen students

Columbian House, 21st and G Streets

Hall of Government, Rooms 1 and 2

Hall of Government, Rooms 1 and 2

Hall of Government, Room 1

Recreation Hall, 2129 G Street

Hall of Government, Rooms 1 and 2

Hall of Government, Rooms 1 and 2

Engineering Building, Second Floor

Hall of Government, Room 1

Hall of Government, Room 1

Student Club, Building C

Student Club, Building C

Hall of Government

Student Club, Building C

### Annapolis Hotel

## Gymnasium

Student Club, Building C

### Raleigh Hotel

Griffith Stadium

Hall of Government, Room 1

## COMMITTEES IN CHARGE OF FRESHMAN WEEK

### FACULTY COMMITTEE

William Crane Johnstone, Jr., *Dean of the Junior College*  
Donnell Brooks Young, *Assistant Dean of the Junior College*  
Vinnie Giffin Barrows, *Director of Personnel Guidance*  
Winfield DeWitt Bennett, *Chairman of the Committee on Student Life*

### STUDENT COMMITTEE

George Pope, *Freshman Director, Student Council*

ASSEMBLIES: Ward McCabe, *Omicron Delta Kappa*

FRESHMAN MIXER: Patricia Farrell, *Panhellenic Association*  
Robert Roadley, *Interfraternity Council*

ORIENTATION: Jane McGraw, *Women's Student Government Association*  
and *Mortar Board*  
William Blackney, *Interfraternity Council*  
Carter Bowen, *Interfraternity Council*  
Shirley Cox, *Panhellenic Association*

PUBLICITY AND INVITATIONS: Edward Butler, *Independents*

REGISTRATION: Jean Nessel, *Panhellenic Association*  
Patrick Deming, *Interfraternity Council*  
Joan Duke, *Panhellenic Association*  
Joan Giles, *Panhellenic Association*

Mortar Board will maintain an information desk for freshmen throughout the registration period.

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*This program serves as an invitation and ticket of admission for the events of Freshman Week. Freshmen may obtain a copy at the Personnel Office on the second floor of Columbian House, 21st and G Streets.*

PLAN

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of

COLUMBIAN COLLEGE  
UNDERGRADUATE MAJORS  
(NEW PLAN)





THE  
GEORGE  
WASHINGTON  
UNIVERSITY  
BULLETIN

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COLUMBIAN COLLEGE  
UNDERGRADUATE MAJORS

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WASHINGTON, D. C.

PUBLISHED IN MCMXXXX  
BY THE UNIVERSITY





## THE PROGRAM IN LIBERAL ARTS AND SCIENCES

American higher education has been adversely criticized because of its alleged emphasis upon technical requirements and corresponding neglect of "real education". References are frequently made to supposed parallels between American colleges and universities and the American industrial system, or to "mass-production" of college graduates. The granting of degrees based upon the acquisition of a stated total of miscellaneous and uncoordinated "course-credits" or "hours", rather than upon any unified educational achievement, has also been criticized.

In their efforts to meet these criticisms and correct undoubted evils, American institutions of higher education have for some years been experimenting with various "plans" intended to bring about coordination and unification of instruction. Such plans tend to place increased emphasis upon content and less upon "credits" and to give greater attention to the individual student and to the development of his ability to deepen and coordinate his own knowledge. It is not necessary to mention here the various methods for attaining these ends; those interested in higher education are familiar with the ideas represented by such expressions as "tutorial system", "fields of concentration", "divisional examinations", "the house plan", "reading for honors", and the like.

The problems referred to above were attacked at The George Washington University beginning in 1930. At that time the work of the freshman and sophomore years was made a separate unit and assigned to the Junior College, while the junior and senior years were retained in Columbian College. As a further step, the year of study leading to the Master's degree was separated from the graduate work for the Doctor's degree and assigned to Columbian College, thereby restoring the traditional close relationship of the Bachelor's and Master's degrees in arts. This innovation was accompanied by the establishment of a

carefully controlled Independent Study Plan. Under the Independent Study Plan a student of demonstrated capacity, with special interest in the subject-matter of a course, may be permitted to undertake independent study under the personal direction of the instructor. At the same time, the University also adopted the divisional type of educational organization. Under it, previously self-defined and autonomous departments have been grouped together into larger units, based upon such factors as relationship of content and methods and similarity of background and viewpoint. The divisional plan shifts responsibility for instruction to the division, and coordinates isolated departments more intimately into the developing fields of knowledge.

The George Washington University program of educational sequence in the liberal arts and sciences extends from the elementary collegiate discipline of the Junior College through the studies for the Bachelor's degree to the Master of Arts discipline. A well-rounded undergraduate major, supported by studies in related fields, is the core of the Columbian College program. From it the Master of Arts discipline logically develops. The culmination of the University's program is study for the professional research degree of Doctor of Philosophy, administered by the Graduate Council.

### THE JUNIOR COLLEGE

The purpose of the Junior College curriculum is to assist the student to obtain an integrated knowledge of the society of which he is a part; to foster a proper appreciation of cultural values; to enable the student to acquire the techniques by means of which he can use his knowledge; and to provide an opportunity for the student to demonstrate his native capacity and the personal qualities which will make him a useful citizen. To accomplish this purpose, comprehensive courses are offered in the four basic fields of English, foreign languages, social studies, and the biological and physical sciences.

All freshman students are required to enroll for the freshman English course. Special placement examinations are given to

test the student's proficiency. On the basis of these tests students may be relieved of the curriculum requirement of the course or they may be required to take the full year's work. Students whose examination is unsatisfactory are required to take a special course in remedial English. Sophomore students are required to take a survey course in English Literature, American Literature, or European Literature.

In foreign languages, courses are offered in Greek, Latin, French, Spanish, and German. A total of two years of college or four years of secondary school study in a foreign language, or an equivalent combination, is required. The foreign language work in college is articulated with the secondary school work. The student may, therefore, continue the study of the language taken in the secondary school if he wishes; he is likewise encouraged to undertake the study of other languages which may contribute to the mastery of his major field.

In the social studies, a survey course in the History of European Civilization is offered in the freshman year and a survey course in the History of American Civilization in the sophomore year. The student may, however, choose to elect other survey courses in American Government, Economic Institutions, or Sociology, according to his needs.

Survey courses in the biological and physical sciences provide an opportunity for students to gain a knowledge of man's natural environment. More specialized courses are offered in Botany, Chemistry, Geology, Mathematics, Physics, and Zoology for students who have a particular interest in these sciences or who plan to become candidates for degrees in science.

The requirement that students who intend to pursue studies toward the Bachelor of Arts degree must take work in English composition, English literature, foreign languages, social studies, and science, in addition to such courses as they may elect, insures an appropriate preparation for the more specialized studies of the junior and senior years. It also gives students the opportunity to develop wide interests in many subjects—interests which may be continued along with the major program. Thus the Junior College serves as a link between the secondary school



on the one hand and the Senior College on the other, in the interests of a truly liberal education.

### COLUMBIAN COLLEGE

Columbian College welcomes those students whose knowledge of their physical and social environment, cultural appreciation, mastery of the tools of intellectual endeavor, native capacity, and personal qualities have indicated that they are ready to undertake with success studies leading to the Bachelor's degree.

The purpose of Columbian College is to round out the program of education begun in the Junior College, and to bring to a focus educationally the individual talents and aptitudes of the student of liberal arts. The program involves a comprehensive survey of a field of study, together with such knowledge of other fields as will contribute to the intellectual development and social effectiveness of the student.

Admission to Columbian College is therefore based upon the attainment of a Junior Certificate or the equivalent, with such further requirements as the Faculty may set. In order to graduate from the Junior College, the student must have met all curriculum requirements and have attained an average of "C" in all work undertaken. Students from other institutions seeking admission to Columbian College by transfer must have attained junior class standing and otherwise have satisfied the same requirements as graduates of the Junior College of The George Washington University.

These standards of admission insure a highly selected student body in Columbian College. As a result, students undertaking major programs may be expected to approach their tasks with appropriate educational backgrounds and intellectual disciplines, as well as familiarity with university methods of study.

### THE GRADUATE COUNCIL

At the apex of the University's educational structure is the Graduate Council, which administers the professional research work leading to the degree of Doctor of Philosophy, in accordance

with a procedure based upon the guild system associated with the medieval university.

The purpose of the Graduate Council is to create a fellowship between the Masters of Research in the various fields and the students who have apprenticed themselves to these Masters, and through this relationship to foster a creative spirit in the graduate studies leading to the professional research degree of Doctor of Philosophy. The basic conception of this degree is the attainment of a mastery of related fields of knowledge, achieved without regard to specific courses of instruction, and the development of the ability, through original research, to make a contribution to knowledge. This program revives the historical relationship of master and apprentice. In keeping with this idea a student, after satisfying certain requirements, is responsible solely to the Master under whom he has signified his desire to work.

## NEW-TYPE MAJORS IN COLUMBIAN COLLEGE

The reordering of the University's program, begun in 1930, has been for a decade in effect in the Junior College and in the Graduate Council; but the program in Columbian College was for a time incomplete. The Faculty had, however, been giving careful consideration for an extended period of time to the problems inherent in carrying out the educational philosophy of the University's liberal arts program and in giving practical effect to its aims and objectives with respect to both the undergraduate major and the Master's work. A primary purpose in these discussions was the placing of emphasis upon the student's mastery of fields of study and coordination of his knowledge of their content.

On May 27, 1936, after two years of thorough study and discussion, the Faculty of Columbian College adopted the new plan of undergraduate majors. A further year (1936-37) was devoted to preparation for the introduction of the new-type majors and the formulation of specific majors, first offered in the academic year 1937-38.

The new plan carried to its logical conclusion the reorganization of the liberal arts program of the University. It also brought Columbian College (the Senior College) into line with the Graduate Council of the University in making the degree depend upon coordinated intellectual achievement rather than upon the mere accumulation of course-credits.

Columbian College is well fitted to undertake this program by reason of the demonstrated capacity of its student body. The high standard of selective admission maintained throughout the University and the effectiveness of the Junior College program account in part for this. For a number of years, for instance, the average of scholarship of all students in Columbian College has consistently been well above the general scholastic average for the entire University. This achievement indicates that the students of Columbian College are capable of meeting the higher and broader standards set under the new plan.

The new-type majors differ from the old-type in administration, content, and requirements.



### ADMINISTRATION OF THE NEW MAJORS

Unlike the old-type majors, which are administered by the departments concerned, the new undergraduate majors are under the supervision of the division in which the major field lies. Divisional Educational Committees have general supervision of all majors in the respective divisions, subject to the approval of the division. A Columbian College Committee on Studies, composed of representatives of each of the divisions, under the chairmanship of the Dean of Columbian College, reviews the various majors as to content and requirements in order to make certain that all majors have the same general proportion in relation to the whole undergraduate program, and that the standards of achievement in each instance are comparable.

The functions of professors under the new plan are: to formulate or assist in formulating the contents of majors falling within their fields; to offer when called upon proseminar courses in the major fields of study; and to advise and guide students in their reading, study, laboratory exercises, and the like, in order to assist them in obtaining a comprehensive knowledge of the field. They also prepare, with the assistance of colleagues in related fields, the major examinations in their special fields, and submit these for approval to the appropriate Educational Committees.

### CONTENT AND REQUIREMENTS FOR NEW-TYPE MAJORS

Although the minimum requirements for the Bachelor's degree still include completion of a specific number of semester-hours, the content of the major is no longer defined in terms of courses or credits, but rather in terms of subject-matter. The definition is supplemented by reading-lists and other materials. In formulating the content of the field, courses may be suggested, but not required.

The passing of a written examination in the defined field of the major will be the evidence that the requirements of the major have been satisfied. Naturally, most students will take courses

in their major fields covering a portion of the minimum semester-hour requirements for the degree, and will ordinarily be encouraged to do so; but they will not be required to take such courses. Moreover, an essential part of the new program is the protection of the student against overspecialization, by requiring a substantial amount of work in subjects outside of the major.

### DEFINITION AND OBJECTIVES

An undergraduate or baccalaureate major may be defined as a coordinated study of the content and methods of a field of knowledge. Although generally confined to a single department of instruction, a major may also be taken in a group of closely related subjects, or in some important and integral subdivision of a departmental program. In other words, a major may be offered by a single department; or in a group of related studies involving more than one department, or even more than one division; or one department may offer more than one major field of study within itself.

The objective of the major is to give to the student, at the time of his graduation, the skill and knowledge of a field of learning, enlarged and strengthened by studies in related subjects, so that he may, with conviction and understanding, meet the needs, activities, and interests of modern life.

Study for the major, however, is not intended to displace the ideal of a liberal education. The student is advised against overspecialization, protected from undue encroachment upon his time and energy by major requirements, and given opportunity for the broadening of his knowledge throughout the undergraduate discipline. In order to assure this, at least two fifths of his work during the junior and senior years must be taken in subjects not included in the major. Responsibility for carrying out this provision rests with the professor or department of the major subject, by whom all courses taken by the student in Columbian College will be approved.

### THE PROSEMINAR

For the convenience of the student a proseminar course will be given in each field of study in which new-type majors are offered, under the supervision of the division concerned. This course, planned and administered by the professor or the department of the major subject, will provide advice, guidance, and instruction for the student in his reading, study, laboratory exercises, and the like, in order to assist him in gaining a coordinated knowledge of his field. The proseminar course is not a definite requirement; registration in it is voluntary on the part of the student, and no qualitative grade will be assigned. When registered in this course the student will have the privilege of visiting any other course offered in the College. This proseminar is not intended as a "cramming course." Its object is to present the content and methods of the major field as a whole by organizing and coordinating the knowledge obtained in the various formal courses in the major subject, as well as by suggesting material not usually included in such courses.

Proseminars in the new-type major fields are open only to students who have been accepted as candidates under the respective new-type majors. These proseminars may not be taken as electives nor will credit for them be granted to students with majors in other fields.

### THE MAJOR EXAMINATION

The major examination will normally be taken by the student toward the end of the senior year; in the case of students on limited schedule, the major examination may be taken not earlier than one calendar year before graduation. Students who fail to pass a major examination may, at the discretion of the Columbian College Committee on Studies, be re-examined at a later regular major-examination period. The Educational Committees of the respective divisions will have general supervision of the preparation, reading, and grading of major examinations. Major examinations will be held in the closing weeks of each



regular semester and, with the permission of the Committee on Studies, at the conclusion of the Summer Sessions.

There is no requirement of specific courses or credits in order to qualify for the major examination. The student may prepare himself by independent reading and study, or through the work of various recommended courses, or by a combination of both, and by the additional assistance received in the proseminar. The student is invited to confer with the adviser concerning any details not clear to him and to obtain any suggestions for reading and study which may be desired.

### NEW PLAN FOR MASTER'S WORK

The new plan for the Master's work (put into effect in all fields of study with the opening of the academic year 1937-38) is similar in aims and administration, as well as in educational philosophy, to that for the new undergraduate major, but involves greater knowledge of the field and greater acquaintance with scholarly methods, as demonstrated by the Master's thesis and the results of the Master's examination.

### UNDERGRADUATE MAJORS OFFERED UNDER THE NEW PLAN

Approval has been given to the establishment of new-type majors as follows:

1. *American Thought and Civilization*
2. *International Relations*
3. *English Literature*
4. *Statistics*
5. *Biology*
6. *Philosophy*
7. *History*
8. *Zoology*
9. *French Literature*
10. *Spanish Literature*
11. *Spanish American Literature*

On the basis of techniques developed and experience gained in the administration of these majors, additional new-type majors will gradually be introduced until all majors offered in Columbian College conform to the new plan. In the meantime, old-type majors will continue to be offered, until further notice, in Art, Botany, Chemistry, Classical Languages and Literatures, Economics, Geology, Germanic Languages and Literatures, Mathematics, Physics, Political Science, Psychology, Public Speaking, and Sociology. (A statement of major requirements will be found at the head of the course-offerings of the respective departments in the University Catalogue.) Students who have already begun work on old-type majors in Biology, English, French, History, Philosophy, Spanish, Statistics, and Zoology will of course be permitted to complete their majors under the old plan if they wish; but new candidates for majors in these fields will be subject to the new requirements.

Of the new-type majors offered, two, those in International Relations and in Biology, extend broadly over the work of their respective divisions, and another, that in the field of American Thought and Culture, involves studies in two divisions, those of Languages and Literatures and of Social Sciences. The other majors, with the exception of the major in Spanish American Literature, replace old-type majors in their respective fields.

A description of the new-type undergraduate majors follows:

#### 1. AMERICAN THOUGHT AND CIVILIZATION

The undergraduate major in American Thought and Civilization combines the fields of American Literature and American History, together with appropriate additions of material from the fields of Art, Philosophy, and the Social Sciences. The objective of this major is to give to the student at the time of his baccalaureate graduation a coordinated knowledge of American culture with its background of intellectual and social tradition.

This major will be administered by the Professor of American Literature and the Associate Professor of American History, with the cooperation of Faculty colleagues in closely related fields. The Professor of American Literature will act as adviser, guide

the student in his reading and choice of courses, and offer a proseminar to assist in coordinating the various elements which make up the major.

A knowledge of American thought and civilization requires an understanding of American colonial and national experience and the literature which emanated from it, as well as an understanding of those European backgrounds which have been most influential in affecting American culture. The general content of the major may be listed under the following heads:

- A. *European Cultural History*: a broad survey of the classical, medieval, renaissance, and modern social and literary cultures which form the background of contemporary civilization, with particular attention to English literature and history from the sixteenth through the nineteenth centuries.
- B. *American History*: a study of the political, economic, social, and religious thought and experience of the American people.
- C. *American Fine Arts*: a survey of artistic culture in America, with attention to both native and derivative elements.
- D. *American Literature and Philosophy*: a survey of the periods and movements from early colonial writings to the present day, with a critical study of the works of outstanding writers and philosophers in connection with each period, and a general acquaintance with American fiction and the drama as popular expressions of social ideas.

## 2. INTERNATIONAL RELATIONS

In a world in which nations have become increasingly interdependent and in which national problems are often interrelated with international problems, an integrated knowledge of the historical, political, and economic relations of the principal nations of the world is a necessary part of a liberal education. The major in International Relations is designed to enable the student to



coordinate his knowledge of world affairs and also to serve as a basic preparation for graduate work in this field.

The major will be administered by a committee of the Social Science Division. This committee will assist and advise the student in his reading and in his choice of courses. A proseminar course for majors in International Relations, given under the direction of the Major Committee, is open to all students majoring in International Relations. The purpose of this course is to aid the student in his independent study and reading; to assist him in becoming familiar with writings of the publicists in the field of International Relations; and to enable him to obtain a coordinated knowledge of the content and methods of the major field. The proseminar course will consist of directed readings, individual conferences, and group discussion.

A coordinated knowledge of International Relations requires an understanding of the historical development of the Western State System, its forms and institutions, and of the economic and political bases of relations between nations. The general content of the major includes the following:

- A. *The Origin and Development of the Western State System*: a survey of the growth of nation-states as seen in the history of Europe and the United States, with an understanding of nationalism as the dominant force in this historical development.
- B. *International Public Law and Organization*: a survey of the rules, customs, and practices by which states regulate their relations with each other, and of the general functions and structure of international organization.
- C. *International Politics*: a survey of the forces which motivate the action of nation-states, and of the dynamics of foreign policy, with emphasis on the significance of nationalism, imperialism, and the use of force in international relations.
- D. *International Economic Relations*: a broad survey of types of international economic relations, including international trade, trade controls and trade barriers, and international economic cooperation.

## 3. ENGLISH LITERATURE

The coordinated knowledge which a student must exhibit in the major in the field of English, and upon which he will be examined at the end of his senior year, is summarized under the four general headings that follow:

- A. *The History of English Literature from the Anglo-Saxon Period up to 1900*: a broad knowledge of the content and important movements, and the significance of the latter in the development of English thought and artistic expression.
- B. *The Chief English Writers*: a certain familiarity with each man and his main works, and a detailed knowledge of Shakespeare. A candidate for special honors shall, in addition, show a detailed knowledge of at least three of the other writers listed below.
- C. *The English Social and Political History, 1300-1900, as it bears upon or is reflected in the Literature.*
- D. *European Intellectual Backgrounds and Movements which have affected English Literature.*

It is advised that students majoring in English elect courses in English and European historical and intellectual backgrounds before their junior year.

A proseminar course is available under the guidance of the departmental adviser for the purpose of aiding the student in his independent study and of rounding out his knowledge of the field. It will consist of readings in English literature, conferences, and group discussions.

There follows the list of the chief English writers with whose important works the student should familiarize himself:

## Group I

"Beowulf"  
 Chaucer  
 Spenser  
 Sidney

Marlowe  
 Shakespeare  
 Jonson  
 Donne

*Group II*

Milton  
Congreve  
Dryden  
Pope  
Swift  
Addison

Defoe  
Richardson  
Fielding  
Goldsmith  
Gray  
Johnson

*Group III*

Burns  
Austen  
Scott  
Wordsworth  
Coleridge  
Byron  
Shelley  
Keats  
Lamb

Carlyle  
Tennyson  
Browning  
Dickens  
Thackeray  
Swinburne  
Arnold  
Hardy

## 4. STATISTICS

The objective of this major is to give to the student at the time of his baccalaureate graduation a coordinated knowledge of Statistics, Statistical Methods, and Statistical Theory with its applications, so that he may be able to elucidate quantitative and qualitative data as affected by a multiplicity of causes.

This major will be administered by the Professor of Statistics, who will act as adviser, guide the student in his reading and choice of courses, and offer a proseminar to assist in coordinating the various elements which make up the major.

A knowledge of Statistics requires an understanding of the underlying mathematical theory which is employed to characterize, compare, and elucidate quantitative or qualitative measurements. The general content of the major may be listed under the following heads:

- A. *The History of Statistics*: a critical study of the origin and development of certain statistical techniques, involving a knowledge of the originator and his work as a whole.



- B. *Characterization Numbers*: a critical study of the meaning and utility of averages, ratios, measures of dispersion, index numbers, measures of reliability and variability, and measures of relationship, with emphasis on the limitations of these characterization numbers.
- C. *Correlation*: a critical survey of the meaning, utility, and limitations of the various conceptions of correlation as presented by British, Italian, and Russian experts.
- D. *Frequency Distributions and Time Series*: a survey of the theory of samples, theory of error, and empirical relationships, with special emphasis on the normal law and the Pearson system; a survey of the elementary analysis of time series with special emphasis on the probable causes of the apparent fluctuations.
- E. *Graphical Analysis*: a critical study of the elements of nomography; a survey of how to make and use various graphic charts.
- F. *Collection and Presentation of Statistical Data*: a critical survey of the various sources of data, the methods of collection, and the various methods of tabulation and presentation.

##### 5. BIOLOGY

A student majoring in this field should have a fair knowledge of the following subjects:

- A. *Classification of Plants and Animals*. He should be familiar with the larger groups, such as phyla and classes, and know the characteristic features of each and the reasons for the commonly accepted arrangement of these. He should carry the study of at least one group to the point where he recognizes the common members and is able to collect and identify unknown forms.
- B. *Life Histories of Representatives of the Principal Groups of Plants and Animals*. The student should know how, when, and under what conditions various organisms reproduce their kind in order that he may get a better

understanding of how they depend upon each other and maintain the "balance of nature."

- C. *Geology*. Some knowledge of the earth's history is necessary to an understanding of present conditions on its surface which, directly or indirectly, influence the distribution of various kinds of plants and animals. Mountain ranges, for example, may act as barriers and affect climate. The physical and chemical properties of the soil at any place determine to some extent the nature of the population.
- D. *Ecology*. Under this head are studied the population problems of an area. In addition to the geological factors, such conditions as length of day during the growing season, temperature range, and water supply tend to determine what plants will grow in an area and this, in turn, limits the animal population. Many interesting cases of interdependence between plants and animals must be considered, such as the pollination of the fig by a particular kind of wasp.
- E. *Evolution*. The student should review the historical development of the theory of organic evolution, especially as it centers about Charles Darwin and his contemporaries. He should become familiar with the evidence of various kinds which is advanced in support of this theory or against it.
- F. *Heredity*. He should be able to discuss the various ways in which characteristics are inherited and to illustrate with examples. The major student should also become acquainted with the progress made in the practical applications of our knowledge of heredity to plant and animal breeding.
- G. *Man*. Although the course of study as a whole deals with man's relations with the living things about him, some consideration is given in particular to his earlier stages as they are made known to us by the skeletal remains which indicate his physical proportions and by

the implements and ornaments which suggest his way of living and cultural advancement in prehistoric times. Historical records tell of his more recent development and of the migrations of various groups, thus helping to explain to some degree the state of things as we now find them. The student should review the development of man to the present time as outlined above; make some study of the inheritance of various characteristics, particularly mental capacity; and be able to discuss the problems of eugenics.

- H. *Biological Problems of the Community.* Under this head are included practices usually regulated by law because they concern groups of people rather than individuals. The student should know something of the present methods of providing safe drinking water to communities and of disposing of sewage in such a way as not to pollute local waters. He should study the regulations which govern the handling of foodstuffs, as these are designed to protect us against the spread of disease, such as typhoid fever in milk or various parasites in the flesh of animals used for food.
- I. *Natural Resources of the Country.* Under this head are considered forests, game, and even the soil itself. The kind of control exercised, whether federal, state, or local, and the reasons therefor should be studied, and the major student should familiarize himself with the conservation activities of the Department of Agriculture, including the Bureau of the Biological Survey, and the National Parks Service.
- J. *History.* The student of Biology should be well-read in the history of the subject from ancient times to the present, and in the development of the different branches of the science during the last two centuries. He will be expected to know something of the lives and principal contributions of the world's leading biologists, past and present.



In addition to the biological material designated, it is desirable that the student majoring in this field include among his elective studies such collateral subjects as Chemistry, Physics, Statistics, Geology, Geography, Psychology, Sociology, and Economics.

The Associate Professor of Biology will act as adviser, guide the student in his reading and choice of courses, and offer a proseminar to assist in coordinating the various elements which make up the major.

#### 6. PHILOSOPHY

The following statement describes the nature and content of the undergraduate major in Philosophy, and indicates the materials from which the major examination in Philosophy will be composed. The student is invited to confer with the Associate Professor of Philosophy concerning any details which do not seem clear, and to obtain any additional suggestions for reading and study which may be desired.

A coordinated knowledge of Philosophy on the baccalaureate level involves an introductory study of the problems of knowledge, reality, and value. Stress must be laid upon the history of thought, the role of knowledge in the natural and social sciences, and the problems of value in the life of the contemporary individual, and in present-day society. The study of three fields is required, a fourth being optional for students with a special interest in psychology.

A. *History of Philosophy*: an historical survey of the large periods and the main philosophers in the Orient and the western world, including early Chinese philosophy, Hindu philosophy, Buddhism, Zoroastrianism, the pre-Socratic Greeks, Socrates, Plato, Aristotle, the Stoics, the Epicureans, the Old and New Testament, the medieval philosophers, and the philosophers of modern times from Descartes through Bergson.

B. *Logic and Theory of Knowledge*: a critical study of deductive logic, induction, and the application of the principles of reflective thought in the natural and social sciences, with special emphasis upon the theories of

Aristotle, Copernicus, Newton, Adam Smith, J. S. Mill, Darwin, and John Dewey.

C. *Ethics and Social Philosophy*: a study of the various systems of ethical thought, such as hedonism, Stoicism, eudaemonism, Christian ethics, materialism, intuitionism, pragmatism, and personalism: a consideration of the philosophical background of various contemporary social and economic trends.

D. (Optional) *The Nature of Mind*: a study of the philosophical significance of the various contemporary psychological theories of mind.

The Associate Professor of Philosophy will act as adviser, guide the student in his reading and choice of courses, and offer a proseminar to assist in coordinating the various elements which make up the major.

## 7. HISTORY

The major in History is designed to give the student an increased understanding of the conditions and problems amid which he lives today through the study of their origins and development. It is intended also to increase his cultural endowment through a familiarity with the civilizations of other times and other parts of the world and by an acquaintance with the classics of historical literature. Work in history proper is coordinated with that in related fields.

This major is administered by the members of the Department of History, with the cooperation of Faculty colleagues in closely related fields. The Executive Officer of the Department will act as adviser in approving the student's selection of fields and courses and in directing him to consultations with those members of the instructional staff who may be best able to guide his reading. A proseminar (History 199-200) is offered as a means of coordinating the various elements which make up the major subject. In addition each student is required to complete satisfactorily one of the research seminars.

Since the subject of history is too extensive for all parts of it to be included within the limits of the preparation for baccalaure-

ate graduation it has, for convenience, been divided into six fields. The student is to select four of these (number one and three others), so chosen as to constitute an integrated sequence, in which to offer himself for examination. These fields are as follows:

- A. *The Literature and Method of History*: a conception of the definition and relationships of history, mastery of the techniques of the discovery and criticism of materials, ability to construct a sound and readable historical paper, and a general familiarity with selected writings of the world's great historians.
- B. *Backgrounds of the Modern World*: a survey of the development of political, economic, social, and intellectual institutions and movements from the earliest times to the end of the Middle Ages (about 1500).
- C. *Modern and Contemporary Europe*: the development of Europe, its trends and problems, since the Renaissance (about 1500).
- D. *Diplomatic Relations and Modern Imperialism*: international relationships since 1648, with emphasis upon the role of Europe and the United States, and the expansion of European peoples, trade contacts, and political influence over the world since the age of discovery and colonization.
- E. *Development of the United States*: main currents in the political, economic, and social growth of the nation from the beginnings of colonization to the present.
- F. *Hispanic-American Civilization*: the history (economic, cultural, political, and international) of the nations of Spanish and Portuguese origin in the Western Hemisphere since the discovery of the continent.

#### 8. ZOOLOGY

The student who majors in Zoology must exhibit a correlated knowledge of the following fields, which represent a detailed break-down of the catalogue major statement:



- A. *Classification*: an understanding of the genealogical relationships of groups of animals. The student should be familiar with the classification of the Chordate Phylum and of the major phyla of the Invertebrates.
- B. *Morphology*: a knowledge of the gross and microscopic structure of major representative animal forms, both invertebrate and vertebrate, with emphasis in higher forms upon similarities and variations of organs and organ systems.
- C. *Ecology*: some knowledge of the relationships existing between animals and their environment, including their interrelations with plants and other animals and with their physical environment.
- D. *Embryology and Life Histories*: a certain familiarity with the development and life histories of major invertebrate forms and a more detailed knowledge of the developmental processes occurring in chordate groups.
- E. *Physiology*: a general understanding of functions, activities, and fundamental operations of living matter.
- F. *Heredity*: a knowledge of the physical basis of heredity, the laws and theories which account for the phenomena of heredity and variation.
- G. *Evolution*: a knowledge of the historical development of the principle of organic evolution, evidences supporting or refuting it and the possible causal mechanisms involved in the process.
- H. *History*: a survey of the historical development of the major principles, hypotheses, and theories in Zoology and the contributions of outstanding zoologists in the evolution of this science.

Since many of the problems of Zoology deal with chemical and physical phenomena, it is essential that the student majoring in Zoology acquire a background in the fields of Chemistry and Physics. It is also desirable for him to elect as collateral subjects Botany and Geology.

A proseminar course is offered which is designed to assist the student in coordinating the various fields which make up the major. The departmental adviser will guide the student in his choice of reading and selection of courses.

The Associate Professor of Zoology, in collaboration with the staff, will act as the adviser, guide the student, and offer a proseminar to assist in coordinating the various elements which make up the major.

#### 9. FRENCH LITERATURE

The aim of the major in French Literature is to give the student a coordinated knowledge of a distinguished foreign literature and culture.

The courses offered are designed to provide a knowledge of the principal literary masterpieces of the French nation, together with a knowledge of the social and political backgrounds necessary for their understanding. It is also expected that in the course of his study the student will acquire a reasonable familiarity with the spoken language. A conversation course with full credit is offered to provide guidance and practice in speaking.

A proseminar is offered to assist the student in coordinating the material offered in the several courses. It will be devoted to lectures, reports, group discussions, and conferences.

The following authors and works suggest the scope of the major:

"Maitre Pathelin"

Rabelais

Montaigne

Ronsard

Du Bellay

Malherbe

Corneille

Racine

Molière

Descartes

Pascal

Voltaire

La Fontaine

La Rochefoucauld

La Bruyère

Boileau

Bossuet

Mme de Sévigné

Mme de Lafayette

Prévost

Montesquieu

Le Sage

Marivaux

Loti

Rousseau	Augier
Bernardin de St. Pierre	
Beaumarchais	Dumas
Chénier	Becque
Hugo	Rostand
Balzac	Brieux
Sand	France
Stendhal	Bourget
Mérimée	Gide
Flaubert	Rolland
Maupassant	Proust

The student is also advised to elect courses in European history and literature to provide a broad cultural background for the more specialized study of the major.

#### IO. SPANISH LITERATURE

The objective of this major is to give the student a coordinated knowledge of Spanish literature and of the cultural background necessary to a proper understanding and appreciation of that literature.

This major will be administered by the Department of Romance Languages, which will appoint a member to act as adviser to the candidate during his period of preparation.

A proseminar course is available under the guidance of the adviser for the purpose of aiding the student in his independent study and in the rounding out of his knowledge of the field. It will consist of readings in Spanish literature, conferences, and group discussions.

The coordinated knowledge which a student will be expected to acquire in order to fulfill the objectives of this major may be summarized under the following headings:

- A. *Spanish Literature*: a knowledge of the literary movements, and of the principal writers of each period.
- B. *Spanish Language*: a reasonable acquaintance with the spoken language.

It is advisable that students majoring in Spanish literature elect courses in European civilization and literature.



## II. SPANISH AMERICAN LITERATURE

The objective of this major is to give to the student at the time of his baccalaureate graduation a coordinated knowledge of the literatures of the Spanish-speaking republics of the Western Hemisphere, and the cultural background necessary to a proper understanding and appreciation of those literatures.

The major will be administered by the professor in charge of the courses in Spanish American literature, who will act as adviser, guide the student in his reading and choice of courses, and offer a proseminar in coordinating the various elements which make up the major.

The general content of the major may be listed under the following heads:

- A. *The Literary History of Spanish America from the Period of Discovery to the Present:* a knowledge of the chief literary movements and of the important writers and their works.
- B. *An appraisal of Spanish-American Literature as a contribution to the great literature of the world.*
- C. *An understanding of this Literature in its relation to current political and social developments in Spanish America.*
- D. *A reasonable acquaintance with the spoken language.*

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Further information regarding any details of the new plan for undergraduate majors may be obtained by addressing the Dean of Columbian College, The George Washington University, Washington, D. C.



PAN AMERICAN CONFERENCE  
FOR HIGH SCHOOLS

Under the Auspices of  
THE INTER-AMERICAN CENTER  
of  
THE GEORGE WASHINGTON UNIVERSITY



December 12, 1940  
Hall of Government  
710 Twenty-first Street, Northwest  
Washington, D. C.



## PAN AMERICAN CONFERENCE

High school students are invited to an annual Pan American Affairs Conference which is held at The George Washington University and is sponsored by the Inter-American Center. These conferences aim to quicken student interest in current inter-American problems and to add the student's and teacher's fund of information through the program of addresses and discussion.

## HIGH SCHOOLS REPRESENTED AT THE CONFERENCE

Anacostia Junior-Senior High School

Bethesda-Chevy Chase High School

Central High School

Eastern High School

George Washington High School, Alexandria, Virginia

McKinley High School

Roosevelt High School

Washington-Lee High School, Arlington, Virginia

Western High School

Woodrow Wilson High School

Calvin Coolidge High School

# PAN AMERICAN COOPERATION AND DEFENSE

Chairman: GEORGE HOWLAND COX,  
*Director of the Inter-American Center*

## PROGRAM

Thursday, December 12, 1940, at 9:15 A.M.

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Diplomatic and Press Relations

HARRY WARNER FRANTZ  
*Cable Editor Washington Bureau, United Press*

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Latin American Culture

RICHARD F. PATTEE  
*Division of Cultural Relations, Department of State*

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Intermission

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Military Defense of the Americas

MATTHEW B. RIDGEWAY  
*Lieutenant Colonel, United States Army, General Staff Corps*

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The Spanish Language and Cooperation

HENRY GRATTAN DOYLE  
*Professor of Romance Languages; Dean of Columbian College*

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Luncheon

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There will be discussion following each address.

## THE INTER-AMERICAN CENTER

Because of its situation in the heart of the National Capital, The George Washington University is able to offer certain types of academic work and to promote and foster conferences, publications, and studies which profit especially by the resources of the Federal Government, the Library of Congress, the Pan American Union, the various embassies and legations, and other institutions located in Washington. Particularly do these advantages apply to work concerning the nations of the Americas. It is intended that the Center shall take advantage of these manifold opportunities, not only by facilitating the offering of regularly constituted courses and special lectures, but also by encouraging directed research and scholarly and informational publications in the broad field of inter-American relations.

### INTER-AMERICAN CENTER ACTIVITIES

1. Lectures on Latin American and Pan American problems, given for students at the University and for a limited number of the public
2. Annual mid-winter conference on Pan American affairs, given for the public and held at the Chamber of Commerce of the United States
3. Annual Pan American conference for Washington high school students, held at the University
4. Weekly broadcast in Spanish and Portuguese to Latin America; topics include current American and European affairs
5. Annual series of lectures in Spanish for Spanish-speaking people of Washington
6. Annual conference between representatives of business organizations and government departments
7. Series of talks at public high schools and private schools, and before civic organizations
8. Publication of addresses given at the various conferences



THE  
GEORGE  
WASHINGTON  
UNIVERSITY

THE SCHOOL OF GOVERNMENT

Announcement of Courses in  
PUBLIC PERSONNEL ADMINISTRATION



WASHINGTON, D. C.  
JANUARY 1941

## UNIVERSITY OFFICERS OF ADMINISTRATION

CLOYD HECK MARVIN, President of the University  
WARREN REED WEST, Acting Dean of the School of Government

## ADVISORY COUNCIL ON PERSONNEL TRAINING

G. LYLE BELSLEY  
Director, Civil Service Assembly of the United States and  
Canada

MAXWELL A. DEVOE  
Director, Department of Civil Service, State of Rhode Island

WALTER DIETZ  
Assistant Director, Training within Industry, The Advisory  
Commission to the Council of National Defense; Personnel  
Relations Manager, Western Electric Company

HARRY A. JAGER  
Chief, Occupational Information and Guidance Service, United  
States Office of Education

ROY HENDRICKSON  
Director of Personnel, United States Department of Agri-  
culture

HENRY REINING, Jr.  
Educational Director, National Institute of Public Affairs

## UNIVERSITY COMMITTEE ON THE TRAINING OF PERSONNEL WORKERS

MITCHELL DREESE, *Chairman*  
Professor of Educational Psychology  
Dean of the Summer Sessions

FREDERICK MORRIS FEIKER  
Professor of Engineering Administration  
Dean of the School of Engineering

HENRY FURNESS HUBBARD  
Adjunct Professor of Psychology  
Staff Assistant, Federal Council on Personnel Administration

THELMA HUNT  
Associate Professor of Psychology  
Executive Officer, Department of Psychology

WARREN REED WEST  
Professor of Political Science  
Assistant Dean of the School of Government

## SPECIAL OFFERING

The School of Government of The George Washington University announces the following new courses in Public Personnel Administration for the second semester of the academic year 1940-41.

### Psychology 234

Seminar: *Occupational Analysis Methods* (3) Shartle

The methods and principles of analyzing jobs and workers in determining the occupational significance of techniques and data for occupational counseling, placement of workers, and transfer of skill. Tues., 7:40 P.M.

Dr. C. I. Shartle, Chief of the Occupational Analysis Section, Bureau Employment Security, Social Security Board, has been appointed Professorial Lecturer in Psychology at The George Washington University.

### Political Science 244

Seminar: *Public Personnel Problems* (3) Hubbard

A study of such problems as employee selection, rating, training, and placement. Particular emphasis will be placed upon personnel problems related to the national defense program.

Dr. Henry F. Hubbard, Staff Assistant on the Council of Personnel Administration is Adjunct Professor of Psychology at The George Washington University.



## THE PROGRAM FOR PERSONNEL ADMINISTRATION TRAINING

For many years The George Washington University has been training personnel workers for industry, education, and the public service. It has been especially interested in preparing those who seek a career of public service in the Federal Government. This training has been offered in connection with a major in Psychology or in Public Administration. Throughout the past four decades there has been a steadily growing need in the municipal, state, and federal jurisdictions for carefully selected and professionally trained personnel workers, and recent national events have greatly increased this demand.

In response to this demand The George Washington University is expanding its course offerings in the field and is establishing new graduate curricula in Public Personnel Administration leading to appropriate degrees.

### UNDERGRADUATE BACKGROUNDS

On the undergraduate level, no formal curriculum in personnel administration is provided, for experience has indicated that a broad background of liberal arts or professional education combined with experience is the best foundation for graduate specialization in personnel work. Undergraduate students who major in Business Administration, Economics, Education, Engineering, Political Science, Psychology, Public Administration, Public Hygiene, or Sociology will be able to include a number of personnel courses in their programs. Undergraduates planning to specialize as graduate students in Public Personnel Administration are advised to elect courses in Economics, Political Science, Psychology, and Statistics as desirable background courses. Such courses will be selected in accordance with the type of personnel work the student desires to undertake.

### GRADUATE CURRICULA

*The Degree of Master of Arts in Public Personnel Administration*

The curricula as offered by the University are designed to train candidates for undertaking personnel service. They lead to the professional degree of Master of Arts in Public Personnel Administration.

### *Requirements for Admission*

The University does not wish to accept a large number of candidates for this degree. Its Committee on Admissions will carefully investigate the qualifications of those making application and will encourage those students to undertake such training who have backgrounds and aptitudes for the work. Among the items which will be considered by the Committee are: graduation from an accredited college or university, appropriate course backgrounds for the type of specialization to be undertaken, and personal qualifications which are thought to be favorable for success in personnel work.

### *Requirements for the Degree*

A minimum of thirty semester hours including either a thesis (6 semester hours) or field work (6 semester hours) is required. A candidate is expected to present credits in introductory courses in Economics, Political Science, and Psychology. If he has not included such courses in his undergraduate work, he will be required to take them without credit toward the professional degree. Such courses are prerequisite to the professional work offered.

From the following courses, will be arranged a curriculum appropriate to meet the need of the candidate for the professional degree of Master of Arts in Public Personnel Administration:

#### *Business Administration*

Business Organization and Management

Governmental Accounting

#### *Economics*

Public Finance and Taxation

Labor Economics

Government and Labor Problems

Labor and Social Economics

Economic Security and Social Insurance

Comparative Systems of Economic Reform

#### *Education*

Adult Education

Organization and Administration of Guidance

#### *Engineering*

Management Problems

#### *Hygiene and Preventive Medicine*

Public Health Practice

#### *Law*

Labor Law

Labor Relations Regulation

#### *Physical Education for Men*

Methods in Health Education

Administration of Community

Recreation Programs

### *Political Science*

Municipal Government  
Public Administration  
Seminar: Public Personnel Problems  
Administrative Law

### *Psychiatry*

Psychiatry  
Personality Profiles

### *Psychology*

Educational and Vocational Guidance  
Psychological Tests  
Educational and Psychological Measurements  
Personnel Psychology in Business and Industry  
Public Personnel Psychology  
Public Opinion

Techniques of Counseling  
Seminar: Educational and Vocational Guidance  
Seminar: Test Construction  
Research: Test Construction  
Seminar: Occupational Analysis  
Methods  
Field Work in Psychology

### *Public Speaking*

Group Thinking and Conference  
Leadership

### *Statistics*

Economic and Sociological Statistics  
Organization and Management in Statistical Work  
Statistics in Psychology  
Factor Analysis  
Labor Statistics

Students qualified by experience or independent study may satisfy some of these requirements by examination without taking formal courses. Thus the qualitative part of the requirement may be met. In no instance can quantitative credit be granted for requirements met by examination.

By special permission courses not listed above may be substituted if they fit into a well integrated program of study.

Additional courses in Public Personnel Administration and related fields will be announced by the University in the near future.

The disciplines for a professional doctorate degree in Public Personnel Administration are being developed in the School of Government, the details of which will be announced before the beginning of the next academic year. In the meantime a student having an appropriate Master's degree, who wishes to begin work toward this advanced professional degree, may register as a Special Student in the School of Government and later transfer the work to the doctorate curriculum and be credited with the fees already paid.

Students interested in the degree of Doctor of Philosophy may apply to undertake study in Personnel Psychology or Political Science under the Graduate Council.



*Registration dates: February 5 and 6, 1941*

The following courses will be offered during the second semester of the academic year 1940-41:

*Business Administration*

102 Business Organization and Management (3) Owens  
Tues. and Thurs., 6:10 to 7:25 P.M.

*Economics*

126 Public Finance and Taxation (3) Watson  
Tues. and Thurs., 6:10 to 7:25 P.M.

142 Government and Labor Problems (3) Buchanan  
Mon., Wed., and Fri., 5:10 P.M.

*Mechanical Engineering*

142 Management Problems (2) Feiker  
Tues. and Thurs., 5:10 P.M.

*Physical Education for Men*

112 Methods in Health Education (3) Myers  
Mon., Wed., and Fri., 9:10 A.M.

142 Administration of Community Recreational Programs (2) Myers  
Mon. and Wed., 1:40 P.M.

*Political Science*

152 Public Administration (3) Tillema  
Mon., Wed., and Fri., 9:10 A.M.

244 Seminar: Public Personnel Problems (3) Hubbard  
Mon., 7:40 P.M.

*Psychiatry*

136 Psychiatry Overholser  
St. Elizabeths Hospital. One hour a week.

*Psychology*

134 Educational and Psychological Measurements (2) or (3) Dreese  
Wed., 7:40 P.M.

144 Personnel Psychology in Public Service (3) Hubbard  
Mon., Wed., and Fri., 5:10 P.M.

154 Public Opinion (3) Britt  
Tues. and Thurs., 5:10 to 6:25 P.M.

230 Seminar: Educational and Vocational Guidance (3) Dreese  
Fri., 7:40 P.M.

232 Research: Test Construction (3) Hunt  
Hours to be arranged.

234 Seminar: Occupational Analysis Methods (3) Shartle  
Tues., 7:40 P.M.

*Public Speaking*

132 Group Thinking and Public Technique (3) Yaeger  
Mon., 7:30 to 10:00 P.M.

*Statistics*

102 Economic and Sociological Statistics (3) Weida and Staff  
Tues. and Thurs., 5:10 P.M. Laboratory—section P: Wed., 7:10 to 9:00 P.M.; section Q: Thurs., 7:10 to 9:00 P.M.; section R: Fri., 7:10 to 9:00 P.M.

116 Organization and Management in Statistical Work (3) Riggleman  
Tues. and Thurs., 6:10 to 7:25 P.M.

132 Statistics in Psychology and Education (3) Weida and Staff  
Tues. and Thurs., 6:10 P.M. Laboratory—section N: Tues., 7:10 to 9:00 P.M.; section O: Thurs., 7:10 to 9:00 P.M.

For further information, address the  
Director of Admissions or the Assistant  
Dean of the School of Government.



*New World Security*  
*Military, Cultural, and Economic Defense*  
*of the Western Hemisphere*

FOURTH ANNUAL PAN AMERICAN CONFERENCE

under the auspices of

THE INTER-AMERICAN CENTER OF  
THE GEORGE WASHINGTON UNIVERSITY

Monday and Tuesday, January 13 and 14, 1941

held at the

Chamber of Commerce of the United States

Washington, D. C.



# *New World Security; Military, Cultural, Economic*

## PROGRAM

*Monday Evening, January Thirteenth, at Eight O'clock*

CHAIRMAN: CLOYD HECK MARVIN  
*President of The George Washington University*

- ADDRESSES:
1. "New Trends on the Pan American Front"  
by JOHN I. B. McCULLOCH  
Associate in Latin American Affairs, Foreign Policy Association, Inc.; Editor of *Pan American News* and Co-Founder and Editor of *The Inter-American Quarterly*.
  2. "Canada and the Pan American Movement"  
by HARRY WARNER FRANTZ  
News writer, United Press Foreign Department; twenty-one years of service supplying news for leading Latin American papers. Widely traveled in Latin America. Author of many articles on inter-American problems and problems of the Western Hemisphere.
  3. "Latin America and Japan's New Order"  
by WILLIAM CRANE JOHNSTONE, JR.  
Dean of the Junior College of The George Washington University; Professor of Political Science. Author of "The Shanghai Problem" and "The United States and Japan's New Order."

PANEL:

KENDRIC NICHOLS MARSHALL  
*President of Chevy Chase Junior College*

WILLIAM CABELL VAN VLECK  
*Dean of the Law School, The George Washington University*

RUSSELL SINGER  
*General Manager, American Automobile Association, Washington, D. C.*

# *Cultural, Economic Defense of the Western Hemisphere*

## PROGRAM

Tuesday Evening, January Fourteenth, at Eight O'clock

**CHAIRMAN:** ROBERT LINCOLN O'BRIEN  
*Former Chairman of the United States Tariff Commission*

- SPEAKERS:**
1. "The Significance of Pan Americanism Today"  
by ROBERT GRANVILLE CALDWELL  
*Former Minister to Portugal and Bolivia. Dean of Humanities at the Institute of Technology. Chairman of the Cultural Relations Program for the Coordinator of Commercial and Cultural Relations between the American Republics, Council of National Defense.*
  2. "New Commercial Geography of Latin America"  
by ELLIOTT QUISENBERRY  
*Vice-President and Director of the Business Publishers International Corporation. Editor-in-Chief of *The American Automobile* (Overseas Edition) and *El Automobil Americano*.*
  3. "The Armed Defense of the New World"  
by GENERAL GEORGE CATLETT MARSHALL\*  
*Chief of Staff of the United States Army.*

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7. Series of talks at public high schools and private schools, and before civic organizations
8. Publication of addresses given at the various conferences



*New World Security; Military, Economic,  
and Cultural Defense of the  
Western Hemisphere*



THE  
GEORGE  
WASHINGTON  
UNIVERSITY  
BULLETIN

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INTER-AMERICAN CENTER  
CONFERENCE

JANUARY, 1941

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*New World Security: Military, Economic, and  
Cultural Defense of the Western Hemisphere*

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ESTABLISHED IN 1932 FOR THE FURTHERANCE OF PAN  
AMERICANISM THROUGH CULTURAL, EDUCATIONAL,  
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*New World Security  
Military, Economic, and Cultural Defense of the  
Western Hemisphere*

MONDAY EVENING, JANUARY THIRTEENTH, AT EIGHT O'CLOCK

### CHAIRMAN

HENRY GRATTAN DOYLE, *Dean of Columbian College, The George Washington University*

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### SPEAKERS

JOHN I. B. McCULLOCH

Associate in Latin American Affairs, Foreign Policy Association, Inc.; Editor of *Pan American News* and Co-Founder and Editor of *The Inter-American Quarterly*.

HARRY WARNER FRANTZ

News writer, United Press Foreign Department; twenty-one years of service supplying news for leading Latin American papers. Widely traveled in Latin America. Author of many articles on inter-American problems and problems of the Western Hemisphere.

WILLIAM CRANE JOHNSTONE, JR.

Dean of the Junior College of The George Washington University; Professor of Political Science. Author of "The Shanghai Problem" and "The United States and Japan's New Order".

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RUSSELL SINGER, *General Manager, American Automobile Association, Washington, D. C.*



TUESDAY EVENING, JANUARY FOURTEENTH, AT EIGHT O'CLOCK

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SPEAKERS

ROBERT GRANVILLE CALDWELL

Former Minister to Portugal and Bolivia. Dean of Humanities at the Institute of Technology. Chairman of the Cultural Relations Program for the Coordinator of Commercial and Cultural Relations between the American Republics, Council of National Defense.

ELLIOTT QUISENBERRY

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GEORGE HOWLAND COX, *Director of the Inter-American Center,  
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THE INTER-AMERICAN CENTER  
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GEORGE HOWLAND COX  
*Director*

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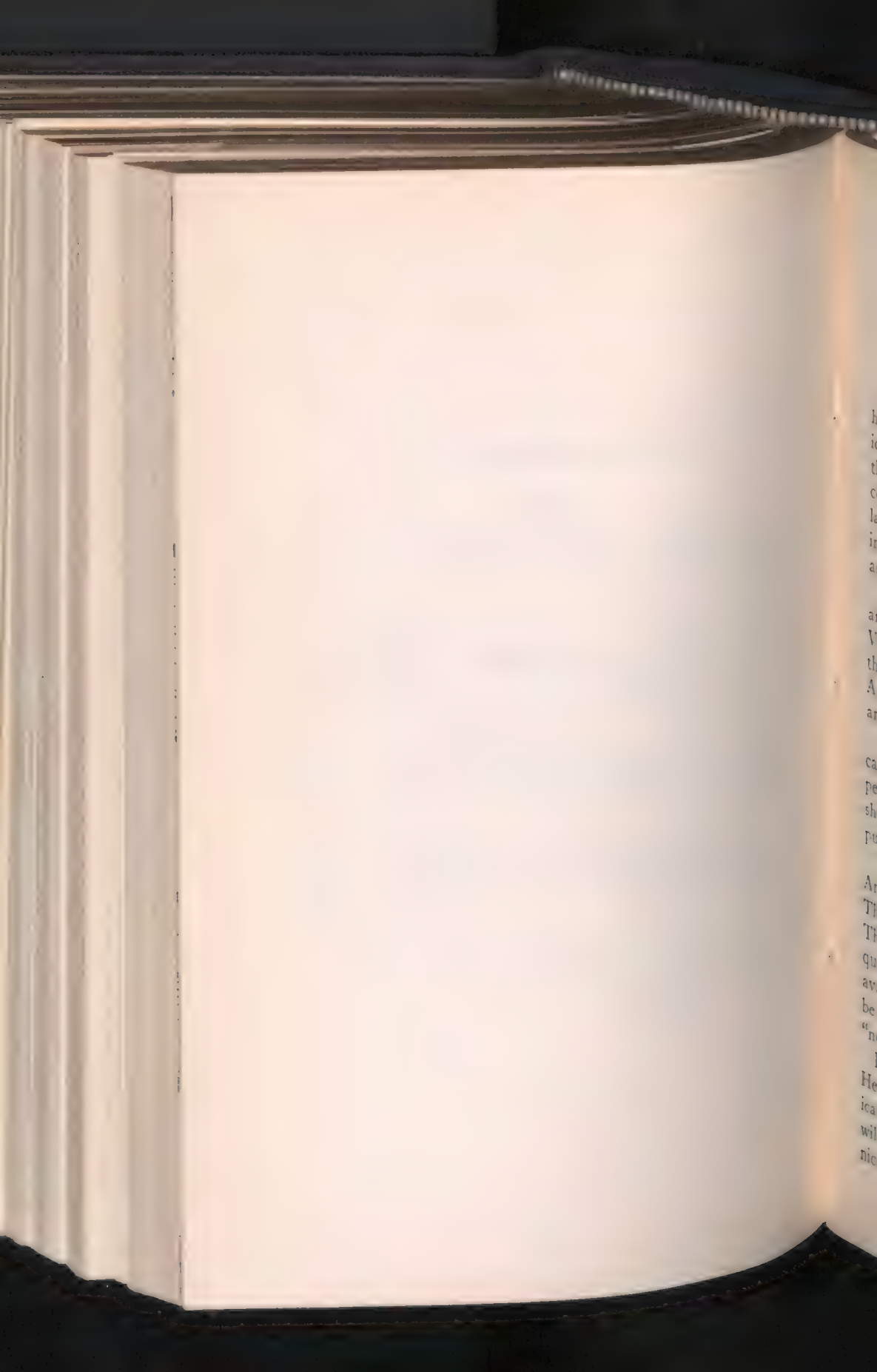
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## CANADA AND THE PAN AMERICAN MOVEMENT

by HARRY W. FRANTZ

Canada is fighting with the forces enlisted for Democracy, and her political relations with the United States and all other American republics, therefore, have become of ascending importance to the entire American Continent. Pan American destinies may conceivably be determined at the western bastion of the north Atlantic or along the fog-shrouded coasts of the North Pacific, and in a geographical and military sense Canada is no longer dissociated from the fraternal company of American nations.

After a quarter century of personal acquaintance with Canada and most of the American republics, which began as a printer in Victoria, Calgary, and Winnipeg, I personally would like to see the northern neighbor admitted to full membership in the Pan American Union. That view is my own, and not "inspired" from any source.

There are numerous complex international reasons, to be indicated, why this event is not likely to occur until the next long period of peace, or alternatively until urgent wartime necessity should compel more effective collaboration of the American republics with Canada.

Meanwhile, there has been an immense growth of the Pan American movement in non-political and non-controversial fields. The entire movement, in fact, is very flexible and many-sided. There are continual opportunities for friendly cooperation and acquaintance of Canada with American republics which should be availed at once. The opinion of all American chancellories should be stimulated to active and friendly interest in the northernmost "neighbor" on the American Continent.

From a United States national defense standpoint the Western Hemisphere is now considered a single entity. It would be illogical to envisage military association with Canada without an earlier willingness to improve opportunities for friendly cultural and technical relations on a continental scale. Traditional views of Britain

probably would accomodate themselves to such broad purpose, as suggested by the harmony of purpose in the Caribbean area, where United States naval bases on leaseholds in British colonies will ultimately serve the broad defensive interests of American republics, and be available to their use.

Canadian ties with the Latin American republics are expected to strengthen morally and materially in 1941, and thereafter, with the prospect that the Dominion will be widely regarded as one of the "good neighbor" group although NOT an actual member of the Pan American Union.

In the past year, Canada launched plans for exchange of ministers with Brazil and Argentina, undertook to stimulate trade relations with most of the American republics, and aided the United States in plans for defense cooperation which could not fail to have hemispherical significance.

Canada, moreover, gained additional prestige throughout the American Continent for her determined wartime effort to aid the preservation of democracy.

Canada's attention to her relations with the American republics is already reflected in larger trade, and by the revival of press and unofficial discussion concerning her eventual admissibility to the Pan American Union. The latter question is not likely to assume any official status in a wartime period when it might be misconstrued as a relaxation of Canada's imperial ties, but with the gradual extension of Canadian autonomous diplomacy in American capitals one important earlier obstacle to membership in the Union has been eliminated.

Impartial observers of Pan American affairs here note changing trends of political thought which may awaken continually more active interest in Canadian policies throughout the American Continent. Primarily, there has been a change in geographical viewpoints, which is reflected gradually in political tendencies.

For a half century, the American republics constituted a well identified "bloc" of nations, bound in spirit by their common republican system of government, and their purpose to make common cause in event of European or Asiatic aggression. Canada's



political ties with the British Empire were so transcending that Canada was rarely thought of in the Pan American sphere.

There was, however, the inescapable historical fact that the founders of the Pan American Union had put the Canadian crest in the frieze of the Union building, and provided a mahogany chair for a Canadian member of the governing board if and when Canada were admitted to the Union.

With the coming of World War II, political orientations underwent a surprising transformation. The United States military strategists substituted the concept of "hemispherical defense" for that of "continental defense". The United States and Canada soon arranged for a joint board of defense. The United States, champion of hemispherical security, looked both to the north and to the south.

The United States-Great Britain destroyers-for-bases arrangement gave new impetus to the broader geographical outlook. From Point Barrow in Alaska, to Punta Arenas in the Straits of Magellan, the Man on the Street came quickly to understand that an aggression against the American Continent might come equally by the North Atlantic, the Caribbean, the South Atlantic, or even a Pacific or Arctic frontier. This new sense of a shrinking globe caused in all American republics a new sensitivity to the interests of Canada and the ultimate importance of commercial and diplomatic relations with Ottawa.

With this new situation, the American republics and Canada have found a new sentimental tie in the general belief that the Dominion of Canada is among the countries which are fighting for the survival of democracy, cherished ideal of all the American nations.

In a practical sense, Canada has a new need for improved commerce with all the Latin American republics. Her trade with many of them is of long standing, but her new and urgent problem is to find new opportunities for exportation, to offset her heavy wartime imports and credit-financed deliveries of many wartime supplies to Great Britain.

These general trends of political opinion have coincided with the

steady growth of an autonomous Canadian diplomatic service. Canada in 1927 established her own legation in Washington; in 1928, in Tokio; and in 1929, in Paris. She has always had a High Commissioner in London. Within the past year, she established High Commissioners in Australia, South Africa, New Zealand, and the Irish Free State. Establishment of Canadian relations with Argentina and Brazil therefore corresponds to the growth of her diplomatic service, and presumably relations may eventually be extended to other Latin American republics with whom affairs are of economic or political importance.

Some experienced observers here do not think Canada's broader relations with the American republics would imply any relaxation of her imperial ties, which are founded upon preferential economic as well as powerful historical ties. They believe, on the other hand, that she would envisage relations with the American republics as a corollary to broad British imperial interests.

For this reason it is not now possible to predict whether Canada ultimately will seek and obtain admission to the Pan American Union, or whether, alternatively, the end of the war will mean an intensification of British imperial ties which might make group affiliation with the American republics inexpedient. In any event, there appears prospect of long-continued parallel development of Pan American relations with Canadian interests, in terms of neighborliness and common political ideals.

The steady growth of Canada's diplomatic and economic relations with the twenty-one American republics has made her possible future admission to the Pan American Union a matter of perennial diplomatic interest, but an informal personal canvass indicated slight likelihood that this question would be decided internationally before the end of the European War.

Meanwhile, there undoubtedly is a growing consciousness throughout the American Continent of the role that Canada has to perform in hemispherical defense, and a general trend toward more cordial interest in Canadian cultural and economic life.

The question of Canada's entry into the Union has been dis-

cussed informally and journalistically at intervals for a half century.

The slow progress made in this matter has been due to the complex international situation surrounding any consideration of Canada's actual membership in the Union. The question, for example, would concern not Ottawa alone, but also London; the capitals of all the American republics, and the direction of the Pan American Union itself.

Canada itself has never agitated Union membership very actively, and its public officials have always commented on the matter rather gingerly. This has been due in part to the transcending Canadian interest in imperial ties, and the reluctance to take any position which might be misconstrued abroad as implying relaxation of Canadian ties with Great Britain or other dominions. That single fact would be the major obstacle to any definitive consideration of the question before the end of the European War. The most recent official Canadian utterances have indicated that discussion of Canada's entry into the Union was regarded "premature", but press articles indicate a mounting popular interest.

United States official opinion regarding Canada's relation to the Union has traditionally been that the Union should be confined to the independent American republics. There was undoubtedly a feeling among many officials that inclusion of Canada would greatly amplify and perhaps at times confuse Union activities because of Canada's relatively closer ties with Great Britain and the British dominions.

Impartial observers here, however, have pointed out the gradual evolution of background circumstances which may ultimately change such opinion, as for example the close defense cooperation of United States and Canada which indirectly affects all the American republics; and the steady growth of Canada's autonomous diplomatic service, Canada already has her own legations in Washington, Rio de Janeiro, and Buenos Aires, and her economic relations with many American republics are large.

My informal conversations among Latin American diplomats indicated that many of them would welcome closer association



with Canada, particularly through Canadian attendance at Pan American conferences of technical and cultural character. The question of Canada's actual membership in the Pan American Union was regarded too political for expression of informal opinion.

Some diplomats thought that it would be useful to all American republics if Canada should participate in conferences pertaining to travel promotion, highways, intellectual cooperation, and social welfare. Canada, in fact, did attend an inter-American travel congress at San Francisco. Not a few highway enthusiasts like the idea of including Canadian trunk highways in the Pan American network, and in western United States there is great interest in the future Nome to Buenos Aires route, which would traverse British Columbia.

The attitude of the Pan American Union itself toward Canadian membership, if such a topic took form, would probably be initially indicated by the governing board, and thereafter would be guided by resolution of a general Pan American conference. The next such conference will be at Bogota, probably in 1943. Thus far inter-American activities of the Union have been emphasized in their predominantly Latin American aspect.

The survey indicated that Canada's membership in the Pan American Union would require a "meeting of many minds". It was clear, however, that Pan American activities are of such wide range, and their conduct so flexible that there is abundant room for Canada's non-political association with the American republics.

There are, for example, sixteen conferences of inter-American character already planned for the year 1941. These deal with such varied topics as railways, bibliographical cooperation, tourist promotion, child welfare, acquaintance among writers, study of Ibero-American literature, national parks, and other non-controversial topics of broad human interest. Some unprejudiced observers see no valid reason why Canada should not be invited to participate in such meetings, on terms of equality and fraternity with her neighbors of the entire American Continent.

Canada in point of distance is closer than the United States to

many countries of Latin America due to the fact that much of South America is situated to the eastward of the United States.

A few persons are aware, perhaps, that Halifax, Nova Scotia, is nearer than New York to Rio de Janeiro and Buenos Aires. The distance from Buenos Aires to Halifax is 5,371 nautical miles; from Buenos Aires to New York, 5,871 nautical miles. The distance from Rio de Janeiro to Halifax is 4,630 nautical miles, and from Rio to New York, 4,770 miles.

The distances from Vancouver and Victoria on Canada's western coast to Latin American ports are substantially similar to the distances from Seattle and other United States ports in Puget Sound to Latin America.

It is to be remembered also that a large volume of western Canada's maritime commerce to Great Britain moves by way of the Panama Canal, and there is some intercoastal traffic between Canadian Pacific and Atlantic ports.

These facts are cited as indication that Canada is not geographically remote from the American republics.

## LATIN AMERICA AND JAPAN'S NEW ORDER

by WILLIAM C. JOHNSTONE, JR.

Several years before the Japanese armies took the field in China, the Japanese had announced the essential elements of their program for a "new order" in East Asia. After the hostilities broke out in China in 1937, this program became the principal "war aim" of the undeclared war with China. This "new order" comprehends the establishment of a huge economic bloc in Asia dominated by Japan in which foreigners may trade and do business only on Japanese terms and at the pleasure of Japan. The Japanese have asserted that this "new order" constitutes a "Monroe Doctrine for Asia", that they regard Asia as their sphere of influence and that the United States can continue to regard the Western Hemisphere as its sphere of influence.

There are two items of major importance concerning Japan's "new order" which relate to Latin America. First, Japan is a member of the Axis with Germany and Italy, two countries which have been opposing the United States in Latin America. Second, although the Japanese have asserted their right to establish a closed economy in Asia, they also assert their right to trade freely with the nations of the Western Hemisphere. Any attempt of the American nations to restrict Japanese trade has been vigorously protested.

The alliance of Japan with Germany and Italy is not no significant for Latin America. There is little evidence that the Japanese are successfully aiding their Axis partners in the nations to the south nor is there evidence that Germany and Italy have done much to further Japanese interests there.

The Japanese assertion of their right to trade freely in Latin America while denying the same right to foreigners in Asia has been supported by a vigorous trade drive in the Western Hemisphere which began about 1932. It is therefore, important, first of all, to evaluate the success of Japanese economic penetration in Latin America.



Japan's share of the total trade of Latin America has never been large. It reached its peak in the years 1935-37. Even in those years Japan's share of the total imports of all Latin American nations was only 3.7% and Japan only bought 2% of the total exports of Latin American nations. An examination of the trade returns of individual countries shows that Japan's share of the import and export trade of a few countries has been as high as 10 to 14% but the value of this trade has been very small. Paraguay, for example, received 14.9% of its total imports from Japan in 1938 but this amounted only to \$1,341,000. Japan took 5.4% of Brazil's total exports in 1939 which amounted to \$16,621,000.

The limited success of the Japanese in trading with Latin American nations to date has been partially due to a number of factors:

1. A vigorous trade promotion policy. Large trade missions from Japan have visited every Latin American nation taking with them elaborate displays of products and attempting to place orders. The Japanese have facilitated the sending of trade missions from almost all of the Latin American nations to Japan and have negotiated trade agreements with a few of them.

2. Cheap production of cheap goods. Cheap cotton textiles, silk fabrics, ceramics, drugs, chemicals, incandescent lamps, canned foodstuffs, and tools made in Japan undersell similar products from other nations.

3. Increased shipping facilities. Since 1932 the Japanese have expanded their shipping connections with both the east and west coast of South America. Construction of freighters and cargo-passenger ships of high speed, under government subsidies, have enabled the Japanese to offer fairly attractive rates and regular service.

4. Increased buying of Latin American raw products by the Japanese has been accelerated by the wars in China and Europe. Japan is the best customer for Brazil's cotton and has increased its purchases of Peruvian cotton in the past few years. Purchases of nitrates, copper, and other minerals from Chile have also been slightly increased.

5. The war in Europe gave Japan some advantage in being able to supply many cheap products formerly purchased from Germany.

Behind all of these factors is an economic organization in Japan geared to expansion of Japan's export trade.

All of these favorable factors, however, have not served to make Japan a real competitor of the United States or Great Britain or Germany; for these favorable factors have been more than offset by many other factors unfavorable to any large expansion of Japanese trade with the Western Hemisphere nations.

These unfavorable factors are:

1. Curtailment of production of export goods because of the China war. It must not be forgotten that Japan has been engaged for more than three and one-half years in a costly war in China. Japan's war effort has demanded the expansion of war industries and the curtailment of peace-time exports. The Japanese exporter who sees vistas of large profits in Latin America finds his dreams disrupted by the fact that he has fewer commodities to sell.

2. Foreign exchange problems in Japanese-Latin America trade have increased. Japan buys more from Latin America than she sells there. Not only do the Japanese have difficulty in obtaining foreign exchange for their Latin American purchases but in the last three or four years many of the Latin American nations have set up exchange control systems and established import quotas which adversely affect Japanese trade. Some of these restrictions have been openly discriminatory against Japanese goods.

3. Increase in local industrialization in such nations as Peru, Chile, Brazil, and the Argentine have provided new competition for the Japanese. These new local industries, which are now to receive further stimulation from United States' aid not only produce many of the cheap goods Japan has been exporting but are naturally being protected from Japanese competition by tariffs and other measures.

4. After the first World War, Japanese immigration to certain Latin American countries showed a steady increase. More recently, however, almost every nation in the Western Hemisphere

has set up barriers to such immigration. In Brazil, where the largest colony of Japanese live—some 200,000 of them, there is a strict quota law and more Japanese have left Brazil than have settled there in the past two years.

These are the principal factors which have so far worked to prevent Japan from becoming very important in the Latin American trade picture. It is the conclusion of trade experts that Japanese trade competition in Latin America has been over-emphasized, that it holds no menace for the United States, and that it is unlikely to become a menace in the future.

Only in the event of a complete Axis victory can Japan hope to make substantial inroads in Latin American trade and in such an event Japan would have to follow the dictates of her Axis partner Germany.

So much for the trade picture. Another item which has been frequently played up in the press is the alleged attempts of the Japanese to secure footholds in the Western Hemisphere for strategic reasons. Periodically a press dispatch tells of an alleged land lease or land holding by Japanese of some strategic location suitable for an air or naval base in Mexico or Guatemala or Ecuador or Peru or elsewhere. It is almost impossible to check these stories. The significance of these activities can best be estimated by naval or military experts and should be watched precisely as we watch German activities in this hemisphere. As long as the American fleet is based at Hawaii, such activities have only a nuisance value but even little irritations should not be allowed to arise in a world of major irritations if they can be checked.

We hear little of Japanese propaganda activities in the nations to the south and as far as can be determined such activity is confined largely to trade promotion efforts. Obviously our neighbors to the south would not take kindly to the Japanese idea that their culture and way of life is much superior to that of all other peoples.

In this connection and probably as an aid to the promotion of trade, there have appeared a few samples of Japanese propaganda for Latin American consumption designed to show, strangely enough, that Japanese and Spanish civilizations are not only



similar but superior to those of other nations. A recent Japanese writer whose article was circulated in South America stated that, "There is much similarity in the cultural and spiritual characteristics of Japan and Spain. And here lies one of the factors that may contribute toward the cultural progress of the world. It is these two countries that have by far the greater understanding of the dignity of human nature".

Whether the Latin Americans will find similarities in their own and Japanese culture is a question. Experts report that in a number of the Latin American nations there is a growing racial antipathy toward the Japanese, which has not been diminished by the tensions produced by the wars abroad.

In conclusion, then, Japan constitutes no menace to the United States in Latin America, economically, culturally, or politically. The future of Japanese penetration in the Western Hemisphere will depend on three things: the success of the United States in strengthening its relations with its hemisphere neighbors; the success or failure of Japan in Asia; and most important of all, the success or failure of Germany in Europe.

## THE SIGNIFICANCE OF PAN AMERICANISM TODAY

by ROBERT G. CALDWELL

I think I shall find the central theme of my address tonight in a strange place. On the occasion of the closing of the New York World's Fair, Marshal Pétain, who has assumed his duties at so dark a moment in French history, addressed a letter to President Roosevelt, in which he said, "Let the United States rest assured that we too remain faithful, not only to their great republic, but also to the ideals which are our common heritage—respect for human personality, liberty, humanity—all those moral and spiritual values which we have always had in common in the past, and which we shall not cease to cherish in the years to come". These surprising words from the leader of a defeated nation underlie, as it seems to me, the essential point which lies at the heart of Pan Americanism today—the solid basis upon which any union of free peoples must one day rest.

I think you will all agree with me that Pan Americanism in this fateful year 1941 is something vital, essentially new, and important in international affairs. I know you will not expect me in these few moments to analyze such a movement in any detail. I thought we might seek, however, to discover some of the difficulties which have made progress slow, and perhaps the solid and beneficent results which, with sufficient patience, hard work, careful thinking, and good will, may accrue to the free and independent nations of the New World from their rapidly developing cooperation.

And now, in the first place, to say that Pan Americanism is something new and hopeful in a discouraged world will strike many of you as strange and doubtful, for, as we all know, the movement to which I refer originated more than one hundred years ago—almost at the same moment as the Monroe Doctrine itself. The two ideas could not have seemed at the time more strangely different. The principles of President Monroe, at least at the beginning, were unilateral, defensive, a warning to Europe,

cast, as someone has said, "in the discreet mold of a message to a single national legislature". The Father of Pan Americanism came from a very different environment and background; for even as early as 1815, in a moment of exile in Jamaica, Simón Bolívar was thinking of a confederation of equal partners in the defense, not of any one country, but of all.

One doctrine was practical, definite, seemingly capable of realization by living men. The other was a vision of some remote future—worthy of that statesman, who with all his astonishing concrete achievements had, like so many of his compatriots, the qualities of a Don Quixote as well as of the immortal Sancho.

And so it proved, for the political league which Bolívar and his generation had proposed did not greatly interest either the United States or Brazil—two great nations which between them occupied half of North America and of South. Though the United States and Brazil were reluctantly invited to the first Pan American Conference in 1826, neither took any active interest in the proceedings at that time.

With so ambitious a program, it is not strange that all the early efforts proved singularly disappointing. The Congress of 1847 at Lima and its successors in 1856 and 1864 were, as you know, limited to the countries on the west coast of South America and led to ambitious proposals from which nothing came. Occasional efforts, like those of Mexico in 1831 and again in 1838 and 1842, to bring all the nations into common conference on problems of what we would today call the Western Hemisphere were frequently not even dignified by an answer.

In spite of these discouragements, we can now see that the real basis of Pan Americanism in these early days was, after all, something very real and substantial, for its roots went back into the great empire which has so recently disappeared.

By 1783 the Spanish Empire had reached its greatest extent and, except in Brazil, the language of Castile was spoken and Spanish institutions extended from the Columbia River for six thousand miles or more to the Straits of Magellan. When the great accident of the Napoleonic wars cut the uniting thread, the



separate beads fell in a disordered heap; and there suddenly appeared, not one empire, but twenty independent units, of which eighteen were daughters of Spain. In such a moment of disillusion, men so far apart in space and ideas as Araña of Spain, Bolívar of Venezuela, San Martín of the Argentine, Egaña of Chile, and many others still hoped that from the national and international disorders of those times a new unity might yet emerge, perhaps another organization which might one day reconcile the new liberty with ancient and respected dignity and order. These men did not succeed in their own generation, but the idea which they developed lives on and begins, especially in these last few months, to bear practical and enduring fruits.

In the meantime, exiles from many nations, thrown up by the volcanic energies of frequent revolutions, became familiar figures in neighboring countries and helped to keep alive the essential ideal of common origin and future cooperation.

Thus Andrés Bello from Venezuela laid, as you know, cultural foundations in distant Chile; Sarmiento contributed to the development of two great South American nations besides his own. In later times the Peruvian Santos Chocano became the poet laureate of all Spanish America. Rubén Darío, from his birthplace in Nicaragua, became a familiar figure in Santiago and Buenos Aires. And there were a thousand others, including, of course, living writers such as Pedro Henríquez Ureña, whose name is today familiar in Mexico, the United States, the Argentine Republic, and, of course, in his native Santo Domingo.

For many years the United States, still provincial, deeply engrossed with a mighty task, had remained aloof. In the meantime, at least one great difficulty had been removed by the results of our own civil war, and in the Eighties, strangely enough, James G. Blaine of Maine adopted the idea which had fallen from the dead hand of Bolívar on his lonely death bed at Santa Marta, and thus, after the usual delays, the first Pan American conference of a new series was brought together in Washington in the winter of 1889-90.

This time all the sister republics save one were represented;

and, as everyone knows, that first congress has been in the progress of the years followed by seven others—Mexico, Rio, Santiago, Havana, Montevideo, Buenos Aires, and Lima, not to mention more than sixty scientific, artistic, philanthropic, and legal conferences in which the representatives of American republics have sat together in common council. The proceedings fill libraries; even the formal acts, great volumes. The practical results were by contrast, let us acknowledge, few and disappointing: the Gondra Convention of 1923, which provided a useful opportunity for peaceful discussion; the Arbitration and Conciliation Convention of 1929; above all, the establishment of the Pan American Union as a great center of information; perhaps something else which I have forgotten.

Apparently that is all. And why? Turn the leaves with me, and I think you will feel that the delegates were often dealing with words—that the vital problems were too special or too delicate to allow of frank discussion, that unspoken jealousies hampered union, above all that representatives of twenty-one separate republics had no common property to administer, no common danger to meet, no common fund of cultural understanding on which to draw. So conferences were multiplied, but because even statesmen may not work wholly in a vacuum, the new building still loomed as an ideal through the mists of coming years.

Indeed, in the recent period from 1900 to 1930, the gulf between the two Americas was often deepened rather than removed by dangerous political events. Fear of the "Colossus of the North" made a deep impression in the literature of the times. Thus at the turn of the century on an occasion not unlike the one which now brings us together, José Enrique Rodó delivered to his students in Montevideo a ringing challenge, asking them to guard and to defend the cultural heritage of Spain against the dread Caliban of the North; and, as you know, the *Ariel* of Rodó was translated into many languages and came to be more widely read than any other Spanish-American book of its time. Similarly, the Peruvian diplomat, García Calderón, writing ten years later, gave a prominent chapter to the "Yankee peril"; and Manuel Ugarte of the

Argentine sketched "the destiny of a continent" in which the part of the United States would be small indeed. Even here, in 1907, when the great scholar, E. G. Bourne, introduced many of us to the Latin American scene, he called his friendly work, "Spain in America" and emphasized, as well he might, a rich heritage very different from our own. In all these years, the theme was "the two Americas" and only in an occasional speech by a roving diplomat, "The Brave New World".

Then came Hitler; and countries which had often used the pronoun "they" came to say "we". The older conception, the Monroe Doctrine, with its northern realism, and Pan Americanism, essentially southern in its generous idealism and in its origins, two streams which had run in separate channels, now begin to merge in a great current of common purpose, and the reason is not far to seek. For Germany's rapid victories in Europe have destroyed any illusion that the Western Hemisphere is immune to the economic and political developments of other parts of the world. "In less than a year", wrote an experienced observer at the Havana Conference, "the goal of inter-American cooperation has shifted from preservation of neutrality and insulation against the effects of the European War to the actual defense of this hemisphere. Nazi totalitarianism has challenged the economic systems and the political ideals of the American republics. To meet this challenge, the scope and concept of Pan Americanism have been vastly enlarged."

In the days in which we live, the older plans for international cooperation, the World Court, arbitration, the League, have vanished in the storm. Other plans remain Utopias, awaiting the unknown event. Only the union of the Pan American republics has gained in strength and in prestige. Witness, Montevideo, Buenos Aires, Lima, Panama, and, above all, the great results achieved by Secretary Hull at the meeting in Havana last July, which, for the first time, give to this movement political vitality and cohesion.

Two or three years ago an interesting family came to Bolivia by aeroplane—the father, the mother, and two highly accomplished young girls. They had with them a beautiful book, each page de-



voted to a separate country. I went with the young ladies to visit the President of Bolivia, and they read first in English and then in Spanish the universal pledge for peace, good will, and mutual understanding which was inscribed under the national arms on the page devoted to that country. President Busch was asked to add his signature to others which had already been collected, and my little family was then going on to visit other countries, until all the pages might be full.

But even then there were grim portents of dangers ahead. I don't know how far my flying family got, but there can be no doubt that many pages remain, and must remain for many days to come, uninscribed, and many presidents and kings unvisited. Consider the list: Czecho-Slovakia, Poland, Norway, Holland, Belgium, Albania, France. How many others? Who can tell? Today the only region in the world in which men can be sure of freedom and the only countries which can count with any confidence on continued independence lie in the Western Hemisphere.

These dangers, now so obvious, seemed, only two years ago, utterly impossible and unreal; and it is this element of ever-pressing danger that will help to unite the two Americas, in spite of real differences and substantial difficulties.

The task to be performed must be carried out on a very wide front. The bonds of union will be sometimes political, often economic, perhaps military; but it seems to me here tonight that the new Pan Americanism is distinguished from every other movement of a similar kind by a deep realization of the essential importance of all those influences which lead to mutual sympathy and understanding, and which we may conveniently summarize by the word "cultural".

The purpose of our cultural program, then, is to teach people who have been too frequently accustomed to saying "they" to choose for their own ends to say "we", and that can be done. For surely, we all have values, as Marshal Pétain pointed out in the address to which I referred at the outset, consecrated by the ages, deep and abiding racial memories, which no one of us would lightly risk. The danger in these days is not merely to our geographical

frontiers and it goes much deeper than any threat to our political institutions. What is really threatened is the very foundation of culture in every free country, and especially in these twenty-one republics which are now, for the first time, learning to work together for common ends.

In a deep sense, the totalitarian revolutions, first in Russia, and then in Italy and Germany, challenged and then destroyed the age-long cultural unity of Europe. When the war is over, the political and economic problems will surely be grave enough. But deeper and more difficult still will be the reestablishment of any common cultural understanding.

It is here especially that the new Pan Americanism must not fail. For that reason, it emphasizes almost for the first time the significance of cultural influences, without which long experience shows that the best laid structures of a purely political, military, or economic character are often founded on shifting sand.

Consider. What would happen in a totalitarian world, not to commerce alone, but to the Greek tradition of which we are all the heirs? To the belief that the quest for beauty, for truth, and for justice alone gives dignity and meaning to human life? Or, again, to the Roman tradition, of which our neighbors to the south are so deeply conscious; which weighs the value of the plighted word and looks forward to an organized society based on law? Or to the Christian heritage, with its belief in the essential brotherhood of man without regard to color or accidental power? Or, again, to the free spirit of the Renaissance, with its eternal emphasis on the value of the individual in a search for truth—to that ideal on which our whole structure of scientific progress has been based and which our southern neighbors sometimes call *personalismo*?

But our cultural program depends not merely on memories of any past, however glorious. It must be progressive, forward-looking, inspired by the possibilities of countries where natural resources are still abundant, where opportunity may yet beckon, where justice may take new forms, where the common man may find less to weaken and to discourage, and where governments may gradually improve, not merely in structural detail but also in

the broad social objectives towards which they trend. For democracy, with any of us, remains forever a half completed ideal for which we work, a direction in which we move, and only in some distant future a goal which may perchance be attained.

Our program, then, recognizes the values of the past and the hopes of the future, and, face to face with a great and difficult challenge, remains dynamic.

Like ourselves, Latin America today must meet immense practical problems—to mention just a few, the education of the Indian, the equitable distribution of the land, the reduction of an appalling death rate, the utilization of vast reserves of hydro-electric power, the settlement of empty spaces, and the diversification of products on which satisfactory commerce may be established. How much help these countries need, only one who has lived there can realize—one who has lived there not only in body, but in spirit.

In the forty years since Rodó pleaded for Ariel against Caliban, for Don Quixote against Sancho Panza, and especially since 1918, a great change has taken place, even in that essentially conservative institution, the University. Among other things, many a South American has come to realize that a few more engineers, and perhaps fewer orators and poets, might not be such a bad thing after all.

Similarly, we here in the United States have become deeply conscious of the beauty of the Spanish language, of the haunting cadences of the Fados of Rio, and of ancient Coimbra, of important work being done by our Latin American neighbors in the fields of music, art, history, and literature. In other words, the very differences which we once emphasized now turn out to be bonds of very real union and special reasons on account of which we must learn to know each other better.

It is a need which will be filled by someone and an opportunity which furnishes today a challenge to that spirit of adventure and of optimism for which groups like yours may well serve as a symbol and an inspiration.



## NEW COMMERCIAL GEOGRAPHY OF LATIN AMERICA

by GEORGE E. QUISENBERRY

Commercial geography, in its broadest aspect, embraces practically the entire economic life of a nation or a region. It includes trade, finance, production, even politics, everything that affects the daily livelihood of the people. Therefore, I shall range rather widely over these related fields, although the single thought of economic solidarity of the Western Hemisphere will prevail.

The picture is a vast one. War's impact on the countries of America, as indeed upon those of the whole world, has brought marked adjustments. Trade routes are shifting. New and changed sources of supply are being tapped and developed. New industries are being started. Revolutionary method of finance is in full swing. Vast public works programs are moving. Some developments are obvious and have gone far in the right direction. Misconceptions, however, are many and serious, thus halting the progress so urgently needed. In various ways, the march to greater cooperation is slow, uncertain, handicapped by our failure to declare firm policies or halted by fears of political threats and minority pressures. Defeatism should be brushed aside or disregarded in face of the danger of economic invasion by the predatory powers whose "New Order" would sweep away the established ways of Western Hemisphere life.

Yet, gloomy as the picture may appear, I am, on the whole, impressed by the strength of the economic machine being built throughout the Americas. It has firmer foundation and a greater potential strength than most persons realize. Therefore, it is wise and timely to explore what has been accomplished and what is intended; and to disclose the weak spots and where speed-up is essential.

Realize that the problem has two aspects. First, the emergency aspect. Second, the long-time job. The emergency job is to immediately shore-up the economy of the nations that they may with-

stand the sudden loss of European markets. Below the Rio Grande from 33 to 40 per cent of the total export trade is normally with Continental European markets now closed by Nazi invasion. Each country is affected differently; no two are affected in the same way by problems of finance, trade, or even politics. True, some countries have lost little business on the Continent; others, however, are seriously affected, especially the countries south of Panama.

Economic disturbance cannot be permitted in the Western Hemisphere, for it leads to subversive activities, disorders, political upsets, and destruction of the institutions we have been so long constructing. Economic defense, on the other hand, is the first step to military defense. Meanwhile spot exchange loans of the Export-Import Bank and operation of the Stabilization Fund are steps in the emergency job. The purchase of stocks of essential and important materials, tin, wool, copper, nitrates, metals, etc., are of the greatest assistance.

The recent coffee agreement between a number of Latin American countries and the United States, is an emergency operation, restoring stability and prices, at least equalling the cost of production for this important money-crop. It happens too, that the coffee agreement has a permanent significance. It demonstrates that those fourteen nations of this hemisphere can compose their differences and reach agreements around the conference table, in a spirit of cooperation which many people had failed to realize and which augurs well for the solution of other thorny problems. So far (in early 1941) the agreement, at today's higher coffee prices, means something between thirty and forty million dollars a year in added exchange for the countries signatory to the pact.

Work operation on highways, public and private building, backed either by local funds or United States credits, are, in part, an emergency job although, in a measure, instigated for permanent benefit. Defense operations, the building of bases, air fields, and similar activities, as they give employment and insure demand for materials of every sort, contribute to the improvement of immediate economic conditions. Thousands of workers, and various

producing industries of the hemisphere are sharing in the speed-up of work and stabilization of finance. Several countries have bounded upward from the low point in the late 1940's. Certain restrictions have been lifted and confidence that the Western Hemisphere can and will be maintained securely has been revived. The truism that Latin America follows upward or downward the economic curve of the United States, with obvious time-lag, is repeating itself.

The second aspect, the long-term job of changing the commercial geography of the hemisphere is slower, but, obviously, even more important. The creation of new and the expansion of old industries is the foundation of this effort. The purpose is to broaden the base of hemisphere income, to raise standards of living, by turning away from one-crop domination. I call attention to the fact that this effort in the hemisphere is the exact opposite of the Nazi "New Order". Barter schemes, regimented economy, the exact balancing of trade, the essence of the Hitler-Funk economy, would freeze Latin-America as an extensive producer of raw materials, and would restrict the output to a few crops or minerals which could be exchanged for goods from European workshops. This is, if you please, a return to the colonial order, the old days supposedly long banished in the Americas.

We of the United States are interested in huge steel mills for Brazil, new coal mines for Chile, expanded petroleum refining for Argentina, and the establishment of pulp and paper mills for several countries. Also, we are interested in new and larger crops, rubber, tropical products, medicines, pharmaceuticals, etc. Plans are moving along, not yet in flood but in sufficient number and scope to promise worth while progress in an effort to round-out and establish a wider and firmer economic foundation in the countries south of the Rio Grande.

Let me especially emphasize the building of highways. Perhaps few persons realize the strides of the past decade in opening low-cost transport arteries in country after country. This portion of the Western Hemisphere program has achieved excellent results. The first trans-continental well built road across South America,



from Buenos Aires to Chile, was inaugurated late in 1940. The Inter-American Highway to the Canal Zone is going forward and, in the predictable future, will be an open road from the United States to the Panamanian Republic. More than half the highway is already an all-weather road; other long stretches are open in the dry season; and probably not more than 15 or 20 per cent is impassable or not blazed. The difficult Costa Rican job, over mountain heights and through the jungles, is under way. Mexico is to extend its highway to the Guatemalan border. Those who remember the early days of the good-roads movement in the United States will find history repeating itself in Latin America. Many years were required to link the roadways of our first trans-continental highway. The Pan American Highway is undergoing similar undertaking with marked progress in many areas.

Perhaps you have forgotten what it means to connect isolated towns with the outside world. A few years ago, I stood in a little village clinging to the mountain side in Peru which, until a few days before, had never known wheeled transportation; its burden-bearers through the centuries had been only the backs of men or of animals. A third of the way up the mountain a highway was creeping, slowly, but inexorably. In a few days after the road had reached this little village, organized highway transport of trucks and buses was carrying supplies and people into and out of this little village, a dramatic event in the struggle for better existence. Today, the road passes over the high mountain crest, goes down on the other side and connects Peru's west coast with the Eastern slope and the headwaters of the Amazon. This illustration could be multiplied many times.

South American road building surely is making steady progress. Argentina is in the midst of a program literally lifting that country out of the mud. So are the other countries. It is possible now to drive by automobile, in good weather, over the great arc of a circle starting at Caracas, Venezuela, through Colombia, Ecuador, Peru, Chile, and Argentina to Buenos Aires. If you like, then, you may ferry across the River Plate and drive through Uruguay and Brazil to Rio de Janeiro, probably eight thousand

miles from Caracas. Or you may go a long way south in Argentina. Only a few hundred miles of this South American road are merely trails, mostly in Ecuador, and the Export-Import Bank credits are now available for their improvement. Wide sections of the South American highway are open for year-around driving.

Other developments are changing the face of the Western Hemisphere. Yet Latin America has not been asleep during the last ten years; the changes were not solely undertaken after the Hitler blitzkrieg. A belief that the Americas waited until Europe was at war is a profound error. To listen to some American speakers and to read what some writers have to say, could lead one to overlook the wide, increasing commercial and business unity throughout the Americas. A favorite topic for some commentators is that our business men are not and never will be "simpático" with the business men of Latin America, and that our exporters do not know the fundamentals of foreign trade, such as packing, credits, finance, translation. We have had astounding "lessons" heaped upon us by speakers and writers, some ludicrous, some sensational, nearly all far beside the point. The usual conclusion is that only Nazis know how to trade with Latin America and, if we had any "gumption" whatsoever, we would follow their goose-stepping-example.

Conversant with the serious economic, financial, and commercial problems confronting Western Hemisphere business I do protest against such doctrines. A quarter-century ago, perhaps, our foreign traders were inept and clumsy and were making all the mistakes catalogued. Stupid people are still left in business, of course, and there are newcomers, surprisingly ignorant. However, much water has gone over the dam. It is *not* true and has not been true for many years that our foreign traders must sit at the feet of German competitors in order to do business with Latin America. The record of our trade accomplishments, south of the Rio Grande, the long-continued friendships among business men, the wide understanding and trust contribute a brilliant chapter of commerce and finance. Without this community of interest and understanding, the present movement toward hemisphere solidar-

ity would face serious opposition. For every instance that can be related of unfortunate transactions between our business men and those of Latin America, I can tell you of dozens and scores of solid friendships and mutually profitable operations by individuals and corporations, and between governments. Northern business men need no lessons from the Nazis: defeatism knows no worse disparagement.

There is no need to offer new panaceas or schemes that nobody thought of before Hitler invaded the low countries. Many of the things which we must do, and would be doing if only decision could be obtained, have been under long study and carefully analyzed by business men, officials, and engineers. Economic solidarity for the Americas is not a sudden marriage of convenience. It has been on the way for years and happily is coming to completion. Today, fortunately, the process can now be speeded ahead because, in time of emergency, we think straighter and act more promptly.

Let me disabuse your mind of some other misconceptions. First, do not be misled by stories that American business is in the hands of Nazis throughout Latin America or that Latin American business is merely a tool for Hitler's fifth column. Certain business firms, some important, are Latin American outposts for the Nazis and several of those firms have agencies for North American products. But let there be no mistake. Such firms are few in the whole sweep of Latin American trade and commerce, most of them are well known for their German activities, and work is well in hand here to transmit the facts to those most concerned. As a measure of the problem, perhaps not wholly indicative, the British Government officially lists between 500 and 600 business houses in all of Latin America as being enemies of the British Empire, with whom it is illegal for British citizens to do business. Most are branches of German concerns. The matter is not easy to discuss and I am not complacent about it; but I must warn you not to besmirch all Latin American business men or all North American exporters as being tools of the Nazis. Those are fighting words. Use them only where they should be used. I assure you



that the machinery of correction is at work; much has been accomplished already.

Since I am on the subject of misconceptions, many others are extant. At the moment, the country is full of trick schemes, promotion ideas, crackpot efforts battenning on our drive for Hemisphere solidarity. Perhaps these things are to be expected, as publicity has focused much attention upon Latin America. I merely suggest, when such schemes are propounded, that you stop, look, and listen. Then investigate. Do not sign even the most innocent appearing paper until you have satisfied yourself that the bona fides are right and the proposal feasible or desirable. So much information on Latin America is available in this country that investigation is easy.

Unfortunately, many people are defeatists about Latin America. I hear it said that Latin American products are so closely similar to ours that further trade increase is impossible. It is said that our program of financial assistance is trying to buy friendships and that we are certain to come a cropper, because, after all, the creditor is always a shylock. No implication is allowed to creep into such stories that proper investment and fair dealings are the life blood of business or that the banker has a function in business both helpful and desirable. It is said that our exporters have drastically shortened terms of sale to Latin Americans and that buyers in Latin America cannot obtain intermediate credit terms from the United States for income-producing machinery and equipment; for example, construction, engineering, mining, power-generation, etc. The truth is that established business in Latin America has had its credit terms practically unchanged over recent months. Credit losses have been small. The Export-Import Bank is functioning as an intermediate term bank, if strictly private facilities are not available. Disparagements come from people with little knowledge of business or acquaintance with the huge volume of normal day to day commerce between Latin America and the United States.

We are beginning, in fact are well along, overhauling financial methods throughout the hemisphere. In the uproarious decade of

the 20's, Latin America was financed largely by bond sales here, covering the full 100 per cent cost of any project. Dollars paid for everything: for imported materials, for commissions, for local labor. Amortization and interest were in dollars. Today, we are proceeding differently. There is joint partnership, of American dollars to pay for imported materials and specialty machinery, local money to pay for labor and materials of local production. Hundreds of fine buildings, many factories, highways, and bridges have been erected in recent years in Brazil, Argentina, Chile, and other countries. Pesos or milreis pay for the labor, for bricks or cement: dollars provide an intermediate or long term credit for imported construction equipment, elevators, air-conditioning, electrical goods, machinery, specialty supplies, perhaps technical services. As to the eventual cost of the proposed Brazilian steel mills, for example, about a third will be for imported materials and machinery, in dollars; the remainder will be in milreis for site, labor, mine development, local material, etc. The change is as revolutionary in the international field as is today's method of housing finance in the United States. It is a way to make friends, to keep them and to be in full partnership with them. Plenty of local capital is available in most Latin-American countries for local use. The union of pesos and dollars results in far different amortization and interest requirements, legal supervision, permanency of friendship. The stream-lined 1941 model is a far cry from the days of the exploitation concession speculator, who insisted on huge profits, quick repayment, absence of any enduring stake in the project.

In the entire Latin America one subject of the utmost significance has been barely revealed. It is that the governments of the Western Hemisphere should formalize, in wide agreements and broad conventions, the friendliness and understanding that are the base of enduring good relationships. The Havana Conference was a demonstration of solidarity in the political field, implementing operation in the difficult problem of the European colonies in the Caribbean area. The coffee agreement demonstrated the possibilities of accomplishment in the economic field.

When there is will and trust and dogged determination good relationship follows.

I have been a critic of certain Argentine policies in the past. Consequently, it gives me the greatest of pleasure to congratulate our neighbor of the River Plate on the efforts it is making to come to trade amity with other nations of the hemisphere. My Argentine friends tell me frankly that, in the past, they were little concerned about commercial relations with other Latin American nations. Such relations seemed unimportant for the trade potential appeared small. But now, faced with an urgency such as they have never known, efforts are being made to promote commerce and further interchange with other American nations. Treaties have been made with Brazil, Colombia, Chile, Cuba, and important negotiations are under way with Uruguay. Brazil will consume more bread baked out of white flour made from Argentine wheat and Argentina will have more Brazilian textiles. Argentina is eliminating burdensome internal taxes so that its men may smoke more Cuban cigars. Every effort should be made to enlarge the interchange of trade among the Americas, not only with the United States but with other nations of the hemisphere. Some trade increases will be small. Yet every dollar, every peso that is possible, should be sought. If Latin America produces five tons, twenty tons, fifty tons of a desirable product, let the United States increase the output two-fold, three-fold, ten-fold. The way to build trade is to build it by increasing exports and imports. There is no royal road.

We have made a good start by sending technical experts to various sections of Latin America, to study, to explore, and to advise. They are agricultural, mining, and fishery experts, highway engineers, seeking new and expanded sources of income, creating new processing and fabricating work. I suggest that Latin American governments ask for more of these men. It is a work that will pay dividends.

Agreements between the Western nations should now be possible along many lines so that difficulties may be decreased and commerce expanded. I believe the trade agreement program



should be revived to aid all countries of Latin America not yet within its orbit. If we do this then new agreements can be an active, living force for the economic betterment of the hemisphere. We have reduced barriers, and enlarged trade in friendly pacts with Brazil, Colombia, Cuba, Venezuela, Ecuador, and several countries of Central America and the Caribbean area. But others remain and time is pressing.

Is it no secret that a distinguished delegation from Argentina has been in Washington seeking financial accommodation. The financial accord resulting from their conferences is a heartening example of hemisphere cooperation. But must cooperation end there? Let no one say that agreement cannot make for expanded and more friendly trade between Argentina and the United States when that trade reaches such a two-way total as \$180,000,000 in a single year, as in 1940. Many things can be done to remove the barriers.

The course of Argentine-American commercial and financial relations has long been stormy. There has been a procession of stupidities in Washington, stupidities in Buenos Aires, while political pressures in both countries have exerted influences far beyond their real value. We were several times near accord and little actually prevents these two great countries from ending their interminable period of misunderstanding. If only a start can be made, in binding friendliness, it will spread like a tent over all the hemisphere, solidifying our economic machine. Perhaps—and I weigh my words carefully—Argentine-American accord is the keystone to insure the structure of Western Hemisphere solidarity.

I see the desirability of accord not alone with Argentina but with Uruguay, Chile, Peru, and Mexico, partly because of the trade involved and partly as a sign pointing to the type of existence for which we stand, as against the dictator powers of Europe and Asia. I cannot look forward to the continuation of trade restrictions, barter, regimentation, and exaggerated tariffs in the years to come, after the cannons' roar dies down in armistice and peace. Surely, we seek the renaissance of a liberal world, a world in which the well-being and the welfare of the peoples will

be enormously improved by tearing down the barriers of exclusion for reconstruction, to feed the hungry, to provide jobs for the workers, to permit resumption of the march towards higher living standards. It is thus that we will turn from guns to butter, from land grenades and bombs to the peaceful normal pursuits of life.

I will not argue details. But we are being asked to state our war aims, our hopes for peace. Before Hitler's war overran Europe we had come to trade agreement with Canada, with Great Britain and the Empire Colonies, with Belgium, Holland, Sweden, and other European countries, and with several nations of the Americas. These accords were good, and were directed toward ending a long period of economic disturbance which, let us hope, we will never witness again. As a declaration that we are struggling to restore a liberal world, let us push ahead to new agreements with these nations of the Western Hemisphere. And, in this movement, would not a declaration of similar purpose by the present government of Great Britain, defining its course after the war, aid the cause of the free peoples and be a guide and inspiration to those who believe in every possible assistance to the Allies?

I am anxious that the nations of America, make plain in deed and precept their purpose to reduce barriers, their firm determination to forge a solidarity so strong that none will ever attempt to break it. I commend this course as a simple, effective method of notifying all countries that the high purpose of our economic machine and our defense machine is the renaissance of a liberal world.

## THE ARMED DEFENSE OF THE WESTERN HEMISPHERE

by MATTHEW B. RIDGWAY

It is trite but none the less pertinent to remark that in the past few years our military outlook has undergone a marked development.

In his message to the Congress, in January 1939, the President stated:

Fortunate it is, therefore, that in this Western Hemisphere we have, under a common ideal of democratic government, a rich diversity of resources and of peoples functioning together in mutual respect and peace. That hemisphere, that peace, and that ideal we propose to do our share in protecting against storms from any quarter. Our people and our resources are pledged to secure that protection.

In the Declaration of Panama, in which representatives of our Government participated, an American Security Zone was prescribed for neutrality purposes. It included the American continents, exclusive of belligerent Canada, their appendant islands, and their surrounding waters for an approximate distance of three hundred nautical miles to seaward.

In October last, speaking from Dayton, Ohio, the President told the world:

When we speak of defending this Western Hemisphere, we are speaking not only of the territory of North, Central, and South America and the immediately adjacent islands. We include the right to the peaceful use of the Atlantic and Pacific oceans. That has been our traditional policy.

The United States of America is mustering its men and resources, arming not only to defend itself, but, in cooperation with the other American republics, to help defend the whole hemisphere.

Those utterances, in brief, are our military directive. Those utterances, in brief, express our national purpose. As they express our national purpose, so do they explain our national conduct in seeking to support those resolute people who in the words of the President are resisting aggression and are thereby keeping war away from this hemisphere.



Let me repeat from those significant statements: "We propose to do our share in protecting against storms from any quarter", and "The United States is arming not only to defend itself, but, in cooperation with the other American republics, to help defend the whole hemisphere."

Now let's analyze this problem, beginning with a consideration of what we mean by the Western Hemisphere, and then taking up successive steps in order.

So far as I am aware, there has not been an exact and authoritative delimitation of the Western Hemisphere. While there can be no question as to the inclusion of the American continental land masses, nor as to the exclusion of the continents of Europe, Africa, and Asia, there is and probably will continue to be a certain flexibility, determined by our national interests, with respect to the inclusion or exclusion of islands and island groups distant from our shores.

In order that we may have a common picture before us tonight of what is meant by the term "Western Hemisphere", I suggest we take it to mean the land and sea surfaces between 30° west longitude and the 180th meridian.

For those whose specialty is not geography, it might be of interest to know that this would fix the eastern boundary to include western and southern Greenland and to exclude Iceland and the strategic island groups off the African West Coast, namely the Azores, Canaries, and Cape Verde. This boundary would run north and south far out in the Atlantic, pass through the gap between Dakar and Natal and thence through the South Atlantic to the Pole.

On the west, the line would not be so straight. Beginning on the north where it cuts through Bering Strait, it would coincide with the international boundary between Soviet Russia and Alaska, curve west and south to take in the territory under our flag in the Aleutians, thence bend east and south to the 180th meridian which it would follow southward. Beyond it would still lie Wake, Guam, and the Philippines.

Well, that's a big order, but we've a big heart and that is what we intend to defend.

The next steps in our analysis follow naturally. The first is to select the things we wish to defend. We know them. They are the territorial integrity, the sovereignty, and the political independence of the states of this hemisphere.

How do we defend these objectives? We defend them by preventing or repelling two forms of attack, those by armed forces from without the hemisphere by sea, land, and air, and those by Fifth Column elements already in this hemisphere.

Let us examine the first form of attack, that of attempted invasion. Air power unsupported by surface forces, has yet to demonstrate its ability to achieve a decision. It can strike and punish. It can neither seize nor hold. Therefore, we may dismiss the probability of invasion attempted by air forces alone, except to carry out a raid, or to attain limited objectives.

These raids or limited objective attacks merit some attention. It is a primary objective for us to prevent an attacker from establishing any bases in this hemisphere from which he can operate with land, sea, or air forces. It is a primary principle to concentrate superior forces at the point of attack.

For these reasons it is vital to the defense of this nation as well as to that of the other Americas that the Panama Canal be maintained in continuous operation so that the naval units of this hemisphere may be able to concentrate in either ocean in the shortest possible time.

Conversely it is no less important to an attacker to deny us that saving in time by putting that waterway out of commission, to compel us to use the fourteen thousand mile route from our west coast Pacific ports to the Caribbean via the Horn, as in the days of the "Oregon" in 1898, rather than to use the three to four thousand mile route made possible by the Isthmian canal.

Hence that canal is, and will remain, a military objective of the first order to any aggressor seeking to conquer this hemisphere.

The canal is powerfully protected against land or sea assaults. There is little danger from such attack but there is an ever present

danger from sabotage or raids. It is in an attack of this kind that airpower unsupported by surface forces has an opportunity to inflict major damage upon this nation's ability to defend itself and to help defend this hemisphere.

A small force of heavy bombers, each capable of carrying a two thousand pound bomb, and so based as to be able to reach the canal, would constitute a very serious menace. It may seem that such a menace cannot materialize without actual large scale invasion of this continent. Such is not the case. If land based, the necessary bombs, gasoline, and oil would first have to be assembled at a base within a thousand miles of the canal. Obviously they would have to be assembled clandestinely, a difficult but by no means an impossible feat. Second, the planes themselves without bomb loads would have to be flown from the territory of the attacking power to the secret assembly already selected. This, too, while difficult is feasible. The Axis powers possess many planes with characteristics sufficient to permit such an operation. Between Dakar on the west African coast and Natal in Brazil, is a stretch of sixteen hundred nautical miles, over which commercial air operations have taken place for the past two or three years. Long range bombers can fly this in 8 hours. From there to the base secretly prepared within striking distance of the canal would be one or two similar flights. Of course, with each successive landing the danger of discovery would increase, but in war everything is possible. It is the impossible which is always happening.

This is not the only way in which a threat from this form of attack could develop against the canal. For many months prior to the outbreak of the war the catapult ship "Westfalen" lay in the harbor of Recife, or Pernambuco, in northeast Brazil. Four-motored seaplanes on regular commercial schedules used to fly the South Atlantic non-stop and land in the sea just outside Recife harbor. They would taxi along side this catapult ship which put out to meet them, be hauled aboard by a crane, reserviced and then catapulted off the "Westfalen's" decks for their return flight to Africa. These operations should point a lesson. A ship of that



size of any nation could very easily carry sufficient gasoline, bombs, oil, and spare parts to service a sufficient number of heavy bombers to constitute a very serious threat to the canal. Wherever the draft of such a steamer permitted her to go, there would be established a ready-made base for these bombers. If by skill and stealth she could evade the vigilance of the sea and air patrols we now maintain in this hemisphere, and could elude the watchful eyes of those who would report her movements on sight, then the attack against Panama could actually be delivered.

I have dwelt at some length on this phase of our problem as it well illustrates both the opportunities available to possible aggressors, and the need on the part of all the American republics for ceaseless vigilance and for the timely exchange of information of common interest.

Now let me return to the discussion of the forms of attack. What about land forces? Can they invade the hemisphere? Not possibly, for there is no land bridge connecting it with Europe, Africa, or Asia. The waters separating this hemisphere from those continents are narrowest in the far North, a matter of only a few hundred miles, using Iceland, Greenland, and Newfoundland as staging areas, and but fifty from Siberia to Alaska. Yet in both these cases the routes pass through all but unpopulated Arctic wastelands in which climate and terrain impose severe handicaps on human activities and above all, on the military operations of large bodies of troops. Southward the waters widen and nowhere is there less than a sixteen hundred mile stretch of open sea.

Obviously then an invasion must be a joint operation—a carefully planned, carefully coordinated, skillfully executed combined effort by land, sea, and air forces. What conditions could offer it reasonable prospect of success? What would be its objectives? What counter measures would be necessary to defeat it?

The first and prime requisite would be command of the sea. If the objective is limited, as in the case of the armed support of Fifth Column groups attacking with a view to overthrowing an existing government and supplanting it with one under Axis control, then the command of the sea lanes need be only temporary.

If the objective is unlimited, as in the case of a serious attempt at conquest of this hemisphere, then this command of the sea must be secured and maintained. We conclude then, that success in either case, requires control of the seas over which the invading forces must move.

At a first glance that would seem to dispel all concern. On one basis it does. Until British and American sea power is either destroyed or neutralized, this hemisphere is not subject to major attack from overseas. But that is but part of the picture. We put the question a moment ago, what would be the objective of a major attack?

We don't have far to search for an answer. The greatest undeveloped resources and ready wealth on earth are here in the Americas. Those would be the objectives—the ultimate objectives to be grasped and plundered, providing the defending forces could be defeated.

To reach those objectives the logical first approach would be to the South American mainland via the South Atlantic. The first steps would be the seizure of bases in that area, their reinforcement by sea; the transportation by air of air forces from Africa to northeast Brazil, and their movement northward to attack or threaten North America.

These are not impossible imaginings. They are no more improbable today than the events of last spring were this same time last winter.

Then as now we felt secure—safe and snug behind the protection afforded by the British fleet, the magnificent army of France, and the high moral purpose of small nations whose neutrality would remain inviolate.

Then as now we were prone to mistake the strength of obstacles for the strength of the human will; to see in the mud of Flanders, the forests of the Ardennes, and the flooded fields of Holland, the safety we wished to see; to see in the strength there was in the Maginot line, the strength there was not in the forces defending it.

There are many, too many today, who look on our surrounding oceans as they looked on those terrain obstacles last winter. Those

oceans are not impassible barriers. Armies have crossed them before and will again; and with speed and power never known before.

Surely there is no one today, in the face of all that has transpired, who would say this hemisphere is safe from attack; who would deny the possibility in the near future of a concentration of hostile powers strong enough to challenge our naval control of the South Atlantic; or who thinks our two-ocean navy can be launched and commissioned before that challenge could arise.

With the immediate security of continental United States against external attack we feel no great concern today. And with our rapidly expanding military program the danger of actual invasion of the United States, and in fact of any portion of the North American Continent, becomes daily more remote. The bases in the Atlantic which we recently acquired from Great Britain and are rapidly preparing to occupy, and our own bases in Alaska, which we have recently garrisoned, and are further strengthening, extend the range of our observation and line of initial resistance. In the words of President Roosevelt, "the value to the Western Hemisphere of these outposts of security is beyond calculation". South of Alaska and the Aleutians lie the Hawaiian Islands, in which this country has built as impregnable a post as there is in the world today. In the Pacific, then, we have an outpost line from Unalaska in the Aleutians through Oahu in the Hawaiians to the Panama Canal. We have land, air, and sea forces based on those points. Until they fall no enemy in force would attempt to move east of that line.

In the Atlantic our forces are already en route to Newfoundland. We are daily strengthening Puerto Rico. We shall shortly occupy bases in Bermuda and Trinidad. With these outposts on the east and those I just alluded to on the west, the North American Continent south to include the Caribbean area is measurably free from the threat of serious attack.

But this comprises only half of the hemisphere. South of the range of our present weapons in the Caribbean lies the bulk of the South American Continent, the territory of ten other American



republics. Circumstances have denied these countries the opportunity to build the defenses which we in the United States possess. With a combined population less than our own, and with smaller national incomes, it has not been possible for them to create and maintain armed forces of anything like adequate strength to insure defeat of a serious attack from overseas. Most of their harbors are undefended. They lack antiaircraft guns, mines, combat aircraft, and naval vessels. If the situation we earlier outlined should develop, and an attack actually be launched against them, there would seem little probability of their defeating it without outside assistance.

There is nothing new in this statement, the distinguished statesmen and soldiers who guide the destinies of those republics have long foreseen these possibilities, and impelled by what they have foreseen, have sought to plan, through the cooperative effort of all the American republics, a defense of the territory and ideals of this hemisphere against the dangers which threaten today.

Last October a group of the leading military men of those republics visited the United States. Distinguished soldiers, graduates of many educational and military institutions in their own countries, in the United States, and abroad, they saw and evaluated with mature and trained minds, the effort this nation is making toward defense. They are striving today to solve the problems confronting their respective countries, striving to build the defenses they see to be essential, striving so that each may contribute, according to its resources, to the defense to which all are committed.

The problem of expanding their military forces, of establishing and developing needed bases is a problem of tremendous magnitude and difficulty, made greater by the impelling necessity for speed. In their effort to give unselfishly to the common cause of the Americas before it is too late, they are turning for help to the United States, which alone in this hemisphere has the industrial potentialities to supply essential weapons and materials. They are seeking, and we are seeking means to supply their deficiencies. Let me remind you of a passage from President Roosevelt's talk

to the Nation on National Security and Aid to Britain broadcast on the evening of December 29. "At this moment the forces of the states that are leagued against all peoples who live in freedom, are being held away from our shores. The Germans and Italians are being blocked on the other side of the Atlantic by the British and the Greeks, and by thousands of soldiers and sailors who were able to escape from subjugated countries. The Japanese are being engaged in Asia by the Chinese in another great defense." That is where our problem lies today and that is why the President added, "we are planning our defense with the utmost urgency, and in its vast scale we must integrate with our own the war needs of Britain and the other free nations resisting aggression. This is not a matter of sentiment or of controversial personal opinion. It is a matter of realistic military policy."

And let me quote again, once more from our Commander-in-Chief. Referring to this same subject, he said, on January 6, 1941, "taking counsel of expert military and naval authorities, considering what is best for our own security, we are free to decide how much should be kept here and how much should be sent abroad to our friends who, by their determined and heroic resistance, are giving us time in which to make ready for our own defense."

So we see before us the broad outline of the problem we all face. We see how clear, how urgent, how vital is the necessity for cooperative action by all of the republics of this hemisphere. The solution is not at hand. It will require time and intensive effort, to achieve, and more than that, it will require the continuing confidence on the part of each of the other twenty American republics that this country under vigorous leadership is doing and will continue to do its utmost to keep war away from this hemisphere.

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## CONFERENCE ON ECONOMIC POLICY

to discuss

*Economic Policy in the Defense Emergency*

Arranged by the Department of Economics  
and an Advisory Committee of Government Economists



March 14, 21, 28, April 4, 18, and 23, 1941

Hall of Government

Twenty-first and G Streets Northwest

Washington, D. C.

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# *AN INSTITUTE OF ROSE GROWING*

AN OPPORTUNITY FOR ROSE LOVERS AND ROSE GROWERS TO MEET AND DISCUSS  
THE PROBLEMS INVOLVED IN GROWING ROSES IN THIS AREA

sponsored by

THE POTOMAC ROSE SOCIETY

and

THE GEORGE WASHINGTON  
UNIVERSITY



March 19 and 20, 1941, at 8:00 P.M.

Hall of Government, Room 101

21st and G Streets, Northwest

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Colonel W. H. ENGLAND

Mrs. LOMAX TAYLOR

Dr. PAUL W. BOWMAN

PROGRAM

*Wednesday Evening, March Nineteenth, at Eight O'clock*

Chairman, MR. J. PRESTON SWECKER

Welcome . . . . . MR. WILBUR H. YOUNGMAN  
*President of the Potomac Rose Society*

Greeting . . . . . DR. CLOYD HECK MARVIN  
*President of The George Washington University*

Address . . . . . DR. T. ALLEN KIRK  
*Former President of the American Rose Society*

ROUND TABLE DISCUSSION

Group 1. How to Begin Growing Roses . . . . Room 202  
Chairman, MR. R. H. FIEDLER  
Speaker, MR. WINN T. SIMMONS  
Panel, DR. J. A. GAMBLE, MR. F. E. RICHARDSON, and  
DR. T. J. BALLARD

Group 2. Why We Fail and How Not to Fail . . . Room 203  
Chairman, MR. JOHN L. BISHOP  
Speaker, MR. RICHARD RUFFNER  
Panel, MR. L. L. POWERS, MR. R. A. HESTER, and DR.  
L. EDWIN YOCUM

Group 3. Progress in Rose Growing Through Experiment  
Room 303  
Chairman, COMMANDER WALTER S. DIEHL  
Speaker, MR. A. G. SMITH, *Division of Extension Work,*  
*Virginia Polytechnic Institute*  
Panel, MR. NIELS J. HANSEN, MRS. JON OTTO JOHNSON,  
and COLONEL W. H. ENGLAND

"He who would have beautiful roses in his garden must have beautiful roses in his heart."



## ORIGIN OF THE POTOMAC ROSE SOCIETY

The Potomac Rose Society was organized in the months of November and December 1931, in response to the needs and desires of a group of rose-lovers of the District of Columbia and its environs. The members had no place to meet, become acquainted, and discuss experiences and local problems.

The question of what could be done to remedy this situation was finally undertaken by Paul F. Brandstedt and me. We drew up and sent out invitations to rose gardeners we knew and about twenty others (members of the American Rose Society), to meet at my house on October 18, 1931, and discuss this matter, naming a few subjects of interest.

Nearly thirty persons attended this meeting or expressed interest in the project. A unanimous vote the formation of a rose society was approved. An Organization Committee was at once selected. Many applications for membership having been received, final action was delayed until December 18th when a complete board of officers was elected and a constitution adopted.

The Potomac Rose Society began its career January 1, 1932. It is in fact one of the earlier regional rose societies in America. The range of its activities grows in importance year by year.

Association in many ways with other organizations to mutual advantage, is certainly natural. That, with a yearly Institute of Rose Growing and a developing Demonstration Garden at The George Washington University are notable examples of such co-operation.

WHITMAN CROSS

## MAKING THE ROSE BED

A rose bed should be located in partial or full sun, at some distance from any trees and on a slight slope where drainage is good. It will be impossible to get good results in poorly drained, soggy soil, or in competition with the roots of certain trees such as elms, locusts, or maples.

The bed should not be less than twenty-four inches or more than sixty inches in width. The most convenient length is twenty feet or less. If the natural soil is deep and free of stones, digging to eighteen inches will be sufficient. If the soil contains many stones or hard refuse such as is found in our city lots, it is advisable to dig twenty-four or even thirty inches to remove all stone and trash. Heavy clay soils are improved by the addition of well-rotted peat moss or manure, plus some sand. Light, sandy soils are improved by the addition of clay plus the peat moss and manure. Any kind of soil is improved by working in about eight ounces of bone meal to a square foot of bed.

Elaborate drainage systems are unnecessary except in low, poorly drained locations.

Let the new bed settle for about a month before planting.

Dr. J. A. GAMBLE

"But ne'er the rose without the thorn."

## PROGRAM

*Thursday Evening, March Twentieth, at Eight O'clock*

Chairman, DR. PAUL W. BOWMAN

Address . . . . . Some New Viewpoints on Rose Growing  
by R. C. ALLEN, *Instructor in Horticulture, Cornell University*

ROUND TABLE DISCUSSION BY THE AUDIENCE

THE PANEL

MR. HANSEN, *Chairman*

MR. BISHOP

MR. FRANKLIN

DR. BOWMAN

MR. GRAFF

DR. BRIERLY

MR. STAALMAN

COMMANDER DIEHL

MR. SWECKER

COLONEL ENGLAND

MRS. TAYLOE

MR. YOUNGMAN

"Gather ye rosebuds while ye may  
Old Time is still a-flying."

## SELECTING THE STOCK

Some rose varieties are excellent, some are good, and some are only fair. Take select varieties that do well locally, and that have the form of growth the planting demands. Some of this information can be obtained from rose catalogues and rose books. Some must be obtained from local growers. Do not be afraid to ask questions.

It is essential to get the best plants available in the varieties selected. This means dormant, two-year-old, field grown plants, preferably budded on seedling Multiflora and grown in a local or northern nursery.

Buy from an established firm that guarantees its product. Beware of bargain sales in "bundles of ten." It is desirable to place an order early and call for delivery at proper planting time. By so doing high-grade plants will probably be obtained. Late orders are often filled with lower-grade plants if the variety is completely sold out.

COMMANDER WALTER F. DREW

## PLANTING THE ROSE

With the bed prepared, the planting operation is greatly facilitated. The position of each plant is determined and marked with a stick. Place no plant closer to the edge of the bed than nine inches. The distance between plants may be from twelve to twenty-four inches.

Unpack the roses, prune the tops to fifteen inches and the roots to twelve inches, and place the plants in a tub of water from which they can be removed one at a time. Dig a hole of size of which is limited by the distance between the plants and the depth of preparation. Build up a cone of soil in the hole. Place the plant spreading the roots evenly over the cone with a downward slant of forty-five degrees. Hold the plant firmly in position with one hand, with the other push soil in and firm it thoroughly around the roots. When the hole is partly filled, step firmly around the plant; fill the depression with water, and when this has drained away, complete the filling. The union on a budded rose should be two inches below the soil level when properly planted.

When plants are in position, hill up soil around the canes as high as possible. When planting in the spring the soil hill is levelled after two weeks; but in fall planting the soil hill is left in place over the winter.

NIRLA J. HANSEN

"I sometimes think that never blows so red  
The rose as where some buried Caesar bled."

OMAR KHAYYAM



## COOPERATING GARDEN CLUBS

### DISTRICT OF COLUMBIA, MARYLAND, AND VIRGINIA

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#### CHEVY CHASE, MARYLAND, GARDEN CLUB

MRS. ROBERT ASH, *President*

#### DOLLY MADISON GARDEN CLUB

MRS. R. C. SLAUGHTER, *President*

#### FAUQUIER AND LOUDON GARDEN CLUB

MR. N. H. MORISON, *President*

## PRUNING

For Teas, Hybrid Teas, and Hybrid Perpetuals, no pruning should be done in the fall. Established plants except to cut back slightly any tall canes to prevent winter winds whipping and twisting the plants.

In the spring, after all danger of freezing is over—in this section about March 15—cut out all the dead wood and all weak lateral growth leaving four or five strong canes about twelve inches high. Use clean, sharp pruning shears and cut just above an outside eye, making a slanting cut so that moisture will run off. New plants are pruned at the nursery and need to have dead wood cut out when the covering is removed.

Polyanthas need little pruning except to take out dead wood and weak lateral growth.

Hardy Climbers should have old scaly canes removed at the base and side shoots shortened. This should be done in the spring when Hybrid Teas are pruned.

Ramblers are best pruned after the blooming season as their best bloom comes on the shoots from canes grown the previous year.

Shrub roses need little pruning except to remove dead wood and scraggly canes, leaving the plant to grow and keep its natural shape according to its variety.

Mrs. LOMAX TAYLOR

## FERTILIZING

Most rosarians advocate a system of fertilization based on their individual experience. But a system giving good results in one garden may fail in the next. It is advisable to experiment with caution in finding the best system for a new garden.

If animal manures are available, no other fertilizer will be necessary. Manure is best applied as a mulch in late autumn, or very early spring, and then worked into the soil by cultivation in late spring.

Bone meal is excellent in conjunction with manure or commercial fertilizers. In making a new bed, work in about fifty pounds to one hundred square feet of bed. On established beds apply in the early spring and work into the soil about ten pounds to one hundred square feet.

Complete commercial fertilizers such as 3-8-4, 4-12-4, or 4-8-12 have given excellent results when carefully applied at a rate of two pounds to one hundred square feet, about three times between April and July. They should not be applied when the ground is dry, and it is necessary to water thoroughly after each application.

The best method is to base fertilization on recommendations obtained from a soil analysis by one of our nearby agricultural colleges. The cost is nominal.

L. L. POWERS

"Each morn a thousand roses brings, you say,  
Yes, but where leaves the Rose Yesterday?"

OMAR KHAYYAM

COOPERATING GARDEN CLUBS (*Continued*)

FEDERATED GARDEN CLUBS OF MARYLAND

MRS. EDWARD H. McKEON, *President*

FORT BELVOIR GARDEN CLUB

MRS. JOHN H. CARRUTH, *President*

GARDEN CLUB OF FAIRFAX

MRS. E. F. HOWERY, *President*

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GLENWOOD ROAD GARDEN CLUB

MRS. GEORGE A. SMITH, *President*

LEESBURG GARDEN CLUB

MISS MARY METZGER, *President*

LITTLE GARDEN CLUB OF SANDY SPRINGS, MARYLAND

MRS. DOUGLAS WHITLOCK, *President*

MANASSAS GARDEN CLUB

MRS. T. F. DURLAKE, *President*



## SPRAYING

Spraying is one of the *musts* of rose culture. It is the antidote for three enemies of the rose: chewing insects, sucking insects, and fungus diseases. Arsenate is a specific for all sucking insects that attack the leaves. Nicotine sulfate, commonly known as Black Leaf 40, controls aphids and other sucking insects. Among the fungus diseases, which are active from May through September, are mildew and black spot. Mildew can usually be controlled by one or three applications of sulfur a season. Black spot, by spraying with Bordeaux Mixture through the entire growing season.

In this latitude, black spot is the worst enemy of the rose. A few simple rules, if fully followed, will give satisfactory results.

1. Spray before a rain—not after. Proper timing is as important as regularity.
2. Spray the plant thoroughly, particularly on the under side of the leaves.
3. Spray frequently during a warm wet season and when there is an abundance of dew, because black spot develops only during the warm weather and when the leaves are wet continuously for about six hours. Periods of rain or heavy dew are danger periods.

It is important that a dormant spray of lime-sulfur be used in the autumn after the leaves have fallen, and in the spring before the new growth starts. Use this spray only when the temperature is above forty degrees.

COLONEL W. H. ENGLAND

## THE DEMONSTRATION GARDEN

The Demonstration Garden which is a joint project of the Potomac Rose Society and The George Washington University was originated for the purpose of showing gardeners the roses best adapted to local conditions and the simplest technique of their culture.

The first roses were planted on April 30th, 1937 and in the course of that year 208 bushes were planted, comprising 33 varieties.

The garden, which is in excellent condition, has received many donations of plants since that time and is functioning as the community service for which it was planned, in spite of the present inconvenient location behind the Faculty Club of the University. As new buildings are erected, ground will become available for the expansion of the garden to include display, testing, and budding. Blocks will be available for the demonstration of new methods of rose culture developed by modern research in this field.

LILIAN W. SMITH

"What's in a name? That which we call a rose,  
By any other name would smell as sweet."

WILLIAM SHAKESPEARE

COOPERATING GARDEN CLUBS (*Continued*)

NEIGHBORHOOD GARDEN CLUB OF ARLINGTON

MRS. CLAUD O. THOMAS, *President*

RICHMOND ROSE SOCIETY

MRS. GEORGE A. TOWER, *President*

RIVANNA GARDEN CLUB

MRS. W. R. SMITHEY, *President*

SOCIETY OF LITTLE GARDENS OF FOXHALL VILLAGE

MRS. JOSEPH W. POLLOCK, *President*

MRS. BERRY THOMPSON, *Acting President*

TAKOMA HORTICULTURAL CLUB

MR. R. H. FIEDLER, *President*

TROWEL CLUB

MRS. WALTER WYATT, *President*

WASHINGTON GARDEN CLUB

MRS. CHARLES E. RIORDAN, *President*

WOODRIDGE GARDEN CLUB

MR. ALBERT P. HARRIS, *President*

Twenty-five varieties recommended as reliable in this locality  
by the Instruction Committee of the Potomac Rose Society.

WHITE AND CREAM

Kaiserin Augusta Victoria

Luna

Snowbird

PINK

Betty Uprichard

Dainty Bess (single)

Mme. Butterfly

Mrs. Charles Bell

Radiance

Warrawee

YELLOW

Duchess of Wellington

Eclipse

Golden Dawn

Mrs. Pierre S. DuPont

Soeur Therese

BLENDED

Condessa de Sastago

President Herbert Hoover

Signora

RED

Ami Quinard

Charles K. Douglas

Crimson Glory

Etoile de Hollande

Joyous Cavalier

Red Radiance



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by

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Thursday Evening, March Two  
at Eight-Fifteen o'Clock

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PRESIDING

WILLIAM CABELL VAN DUSEN  
*Dean of The George Washington  
School*

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ADDRESSES

"The Law of Labor Relations  
Defense"

by ALEXANDER H. FREY, *Professor of Law,  
University of Pennsylvania*

"Reforming Procedure under the  
Relations Act"

by HARRY SHULMAN, *Professor of Law,  
Yale University School of Law*

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DISCUSSION

PANEL

THE HONORABLE SAM HAYS  
*Member of the United States House of Representatives from the State of Alabama*

THE HONORABLE HOWARD W. BURNETT  
*Member of the United States House of Representatives from the State of Virginia  
Special Congressional Committee on Labor Relations Board and Wages*

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General

THE  
GEORGE  
WASHINGTON  
UNIVERSITY

announces a series of

Five Public Lectures on  
PSYCHOLOGICAL TESTING

by DR. MARION W. RICHARDSON  
Principal Examiner, United States Civil Service Commission



Thursday Evenings.—April 24; May 1, 8, 15, and 22  
Room 2, Hall of Government      Twenty-first and G Streets

WASHINGTON, D. C.

1941



## OUTLINE OF THE LECTURES

This series of public lectures is arranged in two groups.

Lectures one, two, and three make up the less technical group and will be of general interest to workers and students in the field of psychological testing.

Lectures four and five will be of interest only to those who possess a considerable background in psychometrics.

### Lecture 1. *The Psychological Test as a Measuring Device*

In what respect do we measure mind and behavior? Can human behavior be measured in the same sense that the physicist "measures"? Are there special limitations to all attempts to measure human behavior? What special requirements must be met by valid psychological tests?

### Lecture 2. *Applications of Psychological Tests*

What are the special advantages and disadvantages of psychological tests? Can personality traits be measured? What legitimate applications of tests have been made? Have certain individuals made extravagant claims about the usefulness of tests? To what extent is "expertness" necessary to get valid results from testing programs?

### Lecture 3. *Testing in the Government Service*

What types of tests have been used in government and for what purposes? What other possible uses have been relatively unexplored? What uses do tests have in the selection of personnel? How may tests be properly used in placement of personnel and in "classification" of army recruits?

#### Lecture 4. *The Interpretation of the Results of Testing*

Crucial questions concerning the following points will be raised and discussed from the standpoint of psychometric theory:

- The applicability of statistical methods to test data
- Distributions of test scores
- Test profiles
- Ability patterns

#### Lecture 5. *The Accuracy of Tests*

The accuracy of psychological tests will be discussed from the following points of view:

- The measurement of reliability of tests
- The validity of tests
- The use of tests in predicting various kinds of achievement

#### COURSES IN PSYCHOLOGICAL TESTING OFFERED AT THE GEORGE WASHINGTON UNIVERSITY

- |                |   |
|----------------|---|
| Psychology 131 | Psychological Tests                           |
| Psychology 132 | Individual Psychological Testing              |
| Psychology 134 | Educational and Psychological<br>Measurements |
| Psychology 231 | Seminar: Test Construction                    |
| Psychology 232 | Research: Test Construction                   |



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